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Vaughan's Spring Flowering Bulbs

1925

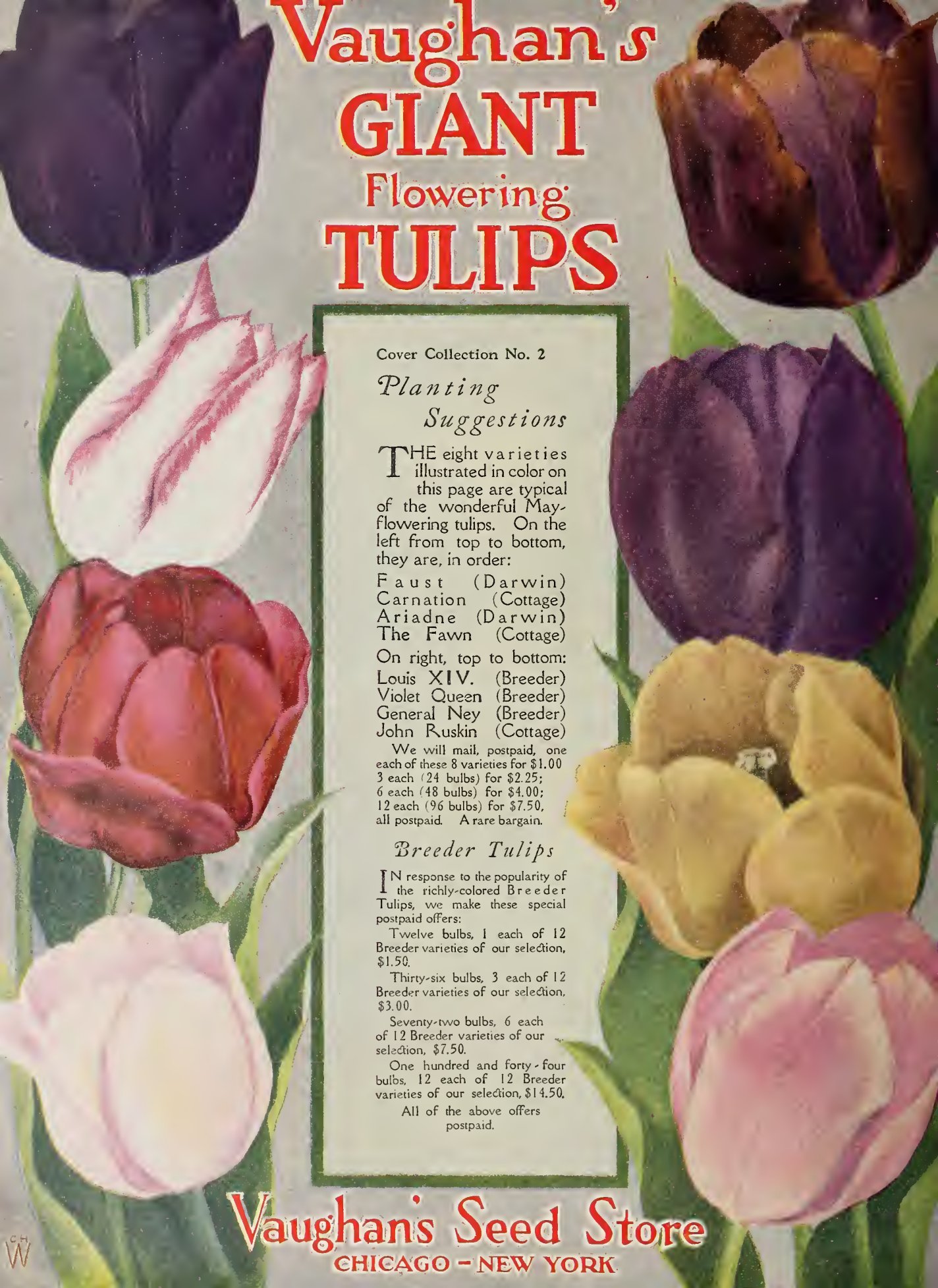
Cover Collection No. 1

The varieties illustrated are, in the position they appear:

Union Jack
Garibaldi Vesta
Julienne Attraction
Isis

We will mail, postpaid, 1 each of these varieties (6 bulbs) $1.60
6 " " (36 ") 4.50
12 " " (72 ") 8.50

Vaughan's GIANT Flowering TULIPS



Cover Collection No. 2

Planting Suggestions

THE eight varieties illustrated in color on this page are typical of the wonderful May-flowering tulips. On the left from top to bottom, they are, in order:

Faust (Darwin)
Carnation (Cottage)
Ariadne (Darwin)
The Fawn (Cottage)

On right, top to bottom:

Louis XIV. (Breeder)
Violet Queen (Breeder)
General Ney (Breeder)
John Ruskin (Cottage)

We will mail, postpaid, one each of these 8 varieties for $1.00
3 each (24 bulbs) for $2.25;
6 each (48 bulbs) for $4.00;
12 each (96 bulbs) for $7.50,
all postpaid. A rare bargain.

Breeder Tulips

IN response to the popularity of the richly-colored Breeder Tulips, we make these special postpaid offers:

Twelve bulbs, 1 each of 12 Breeder varieties of our selection, $1.50.

Thirty-six bulbs, 3 each of 12 Breeder varieties of our selection, $3.00.

Seventy-two bulbs, 6 each of 12 Breeder varieties of our selection, $7.50.

One hundred and forty-four bulbs, 12 each of 12 Breeder varieties of our selection, $14.50.

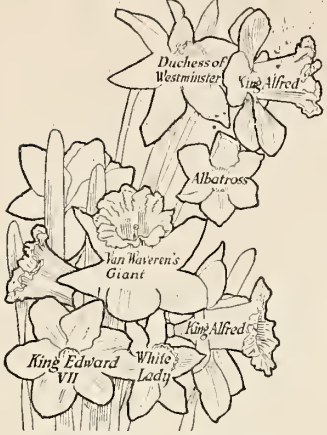
All of the above offers postpaid.

Vaughan's Seed Store
CHICAGO - NEW YORK

Cover Collection No. 3

The eight splendid Tulips illustrated on this page: Princess Elizabeth (Darwin); Bacchus (Breeder); Scarlet Emperor (Cottage); De Wet (Early); Panorama (Breeder); Plutarchus (Breeder); Don Pedro (Breeder); and Prince of Orange (Breeder).

1 each (8 bulbs) for **$1.00**; 3 each (24 bulbs) for **$ 2.75**;
6 each (48 bulbs) for **5.25**; 12 each (96 bulbs) for **10.00**.
All above prices include postage.



Cover Collection No. 4

One each of the Narcissi illustrated (6 bulbs), postpaid,		$1.00
Three each (18 bulbs),	"	2.75
Six each (36 bulbs),	"	5.00
Twelve each (72 bulbs),	"	9.00

Our Order No.

ORDER SHEET

For Plants, Trees and Shrubs Only

Vaughan's Seed Store

43 Barclay St., NEW YORK. 10-12 W. Randolph St., CHICAGO

See instructions in Catalogue. "HOW TO ORDER"

Date.....

Your Name.....
(Very Plain)

Please do not write here.

Post Office.....P. O. Box.....

Street No.....State.....

County.....Forward by.....
(Mail, Express or Freight)

Express Office.....Name of Ex. Co.....

NO GOODS SENT C.O.D.

AMOUNT ENCLOSED. Cash, - - $..... Money Order, $.....

☞State how much money you enclose. Postage Stamps, - $.....Draft or Check, $ .....

NOTICE—We do not warrant in any way, express, or implied, the contents, or the description, purity, productiveness, or any other matter of any seeds, bulbs, or plants, sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on the above terms, no sale is made thereof, and he must return them at once, and money will be refunded. Subject to above conditions we make this sale, at the moderate prices at which we sell our goods.

Vaughan's Seed Store (Incorporated).

Quantity	NAMES OF ARTICLES	Mailing Weight	Dollars	Cents
	Carried Forward, Lbs.		$	

For Parcel Post Rates, see other side (over)

☞ In making your order, please give the price, to avoid delay and errors. ☜

Do not Write in this space.

Quantity	PLANTS, TREES AND SHRUBS—Continued	Mailing Weight	Dollars	Cents

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc. within the U. S. and Possessions.		First pound or fraction	Each additional pound or fraction
First Zone	Chicago or New York or 50 miles thereof	5c	1c
Second Zone	within 50 to 150 miles of either	5c	1c
Third Zone	within 150 to 300 miles	6c	2c
Fourth Zone	within 300 to 600 miles	7c	4c
Fifth Zone	within 600 to 1000 miles	8c	6c
Sixth Zone	within 1000 to 1400 miles	9c	8c
Seventh Zone	within 1400 to 1800 miles	11c	10c
Eighth Zone	all over 1800 miles	12c	12c

Total Weight ____ lbs.

Amount for Postage $ ____

Grand Total $ ____

☞ In making your order, please give the price, to avoid delay and errors. ☜

Vaughan's Seed Store

Autumn, 1925.

To our gardening friends:

If we could sell tulip bulbs in May, how easy it would be! No gardener can see these beautiful flowers in bloom without desiring them.

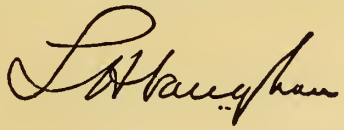
But in the fall, when the brown bulbs must be planted, we have only cold type, and inks that feebly imitate their colors, to tell of the glory the flowers of these bulbs will bring to your garden.

We have done our best in this little book to picture the magic beauty which is concealed in the bulbs we offer. The book is sent to everyone who has given us an order in the last two years; and will be sent gladly to any friend whose name you furnish us.

You will find it a useful manual of fall planting, including bulbs, flower and vegetable seeds, perennial plants, trees, shrubs and vines.

We hope you will discover in its pages, something we can supply for your garden.

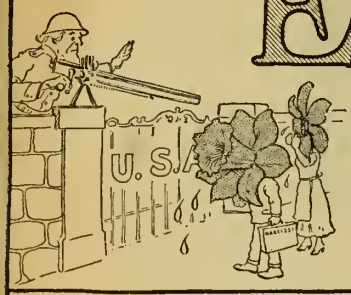
VAUGHAN'S SEED STORE.

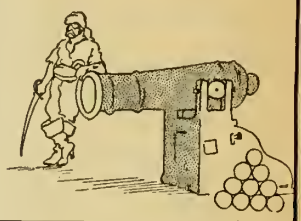


Pres.

P. S.--Will you not read especially the article on Page 1, concerning The Embargo on Bulbs; and if you believe this measure to be unwise, write your opinion to Secretary Jardine of the Department of Agriculture, Washington, D. C.

The Embargo on BULBS!





BY order of the Federal Horticultural Board, after January 1, 1926, bulbs of the eight descriptions listed below on this page may not be imported into the United States for resale:

They become, after that date, subject to Quarantine 37, which was issued June 1, 1919. This quarantine declared: "The fact has been determined by the Secretary of Agriculture and notice is hereby given that there exist in Europe, Asia, Africa, Mexico, Central and South America and other foreign countries and localities certain injurious insects and fungous diseases new to and not hitherto widely distributed within and throughout the United States."

Because of this it proceeded to declare that: "It is necessary in order to prevent the further introduction into the United States of injurious insect pests and fungous diseases, to forbid, except as provided in the rules and regulations supplemental hereto the importation into the United States of nursery stock and other plants and seeds from the foreign countries and localities named and from any other foreign locality or country."

The regulations supplemental to this order exempted from exclusion certain specified items. The only bulbs originally exempted were the following: lily bulbs, lily of the valley, narcissus, hyacinths, tulips and crocus.

Thus all of the bulbs, except narcissi, on the list of eight here presented were barred from this country from June 1, 1919, until 1923, and during that period they were not obtainable by gardeners. American production did not materialize.

In 1923 a supplemental order was issued by the Federal Horticultural Board permitting the importation for resale of these seven bulbs until January 1, 1926, but providing that on that date they should be returned to the excluded list; or rather that they should be removed from the exempted list; and that with them should be blacklisted the entire narcissus family, which had never before been excluded.

Against none of these bulbs, except the narcissus, is any charge made that they may bring in any specific insect or disease. They are barred, it would seem, because they are not considered by the Federal Horticultural Board to be necessary to the people of this country.

At the Plant Quarantine Conference held in Washington in May, 1922, Dr. C. L. Marlatt, chairman of the board, made this statement:

"The principle (of Quarantine 37) is that any importation is subject to or leaves the way open for a certain risk of entry of pests. * * * The principle then, under Quarantine 37, is to restrict importations to the necessities, but to permit importation of things that are necessary."

Dr. Marlatt and his four colleagues on the Federal Horticultural Board, all civil service employes of the department of agriculture, decide what plants and bulbs are necessary to the people of this country.

No charge is made in any order issued by the board that narcissus bulbs bring in any specific insects or diseases. In statements issued to the press, the chairman has alleged that narcissi have brought certain nematodes, or eel worms, and narcissus flies into this country, but it is admitted that these insects are not new to the United States, as they have been arriving for more than 50 years; and yet no serious damage has been traced to them.

It is impossible to count upon the production in this country of any of the eight classes of bulbs which are embargoed after next January. It is certain that whatever bulbs may be obtainable hereafter will be at greatly increased prices. We therefore advise our customers to take full advantage of this last opportunity to obtain for their gardens imported bulbs of these classes. All are hardy, and will last for years in most sections of our country.

Last Chance to Buy These Imported Bulbs

Chionodoxa (Glory of the Snow)

One of our loveliest Spring flowers, when established its sheets of blue in very early Spring are a great attraction in borders, dotted over bulb beds, or massed on rockwork. Once planted it comes up year after year, the flower spikes increasing in size and beauty. Excellent in pots. Prices include postage.

Lucillae. Bright blue with large clear white center. Doz., **60c**; 100, **$4.00**; 1000, **$35.00.**

Sardensis. Intense deep-blue. Doz., **60c**; 100, **$4.00**; 1000, **$35.00.**

Eranthis Hyemalis (Winter Aconite)

Early in spring the golden blossoms of Winter Aconite look charming, resting on an emerald-green of cushion leaves, forming a striking contrast to the Snowdrop, Scilla and Chionodoxa. The foliage remains long after the flowers, making the plant especially valuable in moist situations, such as under trees. Eight inches high. Price per dozen and 100 includes postage. Doz., **55c**; 100, **$3.50**; 1000, **$30.00.**

Fritillaria Meleagris

Singular dwarf spring-flowering plants, bearing large pendant, bell-shaped flowers of various colors: yellow, white, black, purple, striped and splashed and checkered in the most curious way. Invaluable for pot culture and exceedingly pretty when grown in large groups in the garden border or wild dry situation. Doz., **$1.10**; 100, **$7.00** (postpaid).

Fritillaria Imperialis (Crown Imperial)

The Crown Imperial is a stately hardy border-plant, very effective in Spring when grouped in woodlands, wild gardens, orchards. For forming bold groups in the permanent border or on lawns it is of great value, and should be allowed to remain undisturbed. To obtain the best results, plant the bulbs in September, in a good, deep loam. Each, **20c**; doz., **$2.00**; 100, **$15.00.**

Muscari (Grape Hyacinth)

Beautiful little flowers for planting in masses either in shade or sun. Once planted, they multiply rapidly and send up flower stems by the score each year. Also adapted for growing indoors. Plant six bulbs in a five-inch pot. Perfectly hardy.

Blue. Pretty little spikes of dark blue flowers; an old garden favorite, used largely for small beds, edging, etc. Doz., **50c**; 100, **$3.00**; 1000, **$25.00.**

Pure White. This is a beautiful companion to the above, and they make a striking show when planted together. Price, per doz., **60c**; 100, **$4.00**; 1000, **$35.00.**

Heavenly Blue. The best blue. Doz., **55c**; 100, **$3.50**; 1000, **$30.00.**

The Narcissus Family

All kinds of narcissi are embargoed after January 1, 1926, by the Federal Horticultural Board's decree. Descriptions and prices are found on Pages 6, 7, 16, 17 and 18.

Snowdrops (Galanthus)

In early spring there is nothing more beautiful than graceful blossoms of the Snowdrop. In beds of Tulips and Hyacinths, Snowdrops flower while these bulbs are just moving to the surface, and when the flowers are over there remains a groundwork of green foliage.

Prices per dozen and 100 include postage.

Single. (Largest Bulbs). Doz., **60c**; 100, **$4.00**; 1000, **$35.00.**

Double. (Largest Bulbs). Doz., **75c**; 100, **$5.00**; 1000, **$45.00.**

Scillas (Squills or Wood Hyacinths)

As edgings and masses in beds and borders, Scillas are most valuable. They succeed in shady flower borders and bare shady places and odd corners which often have a desert-like appearance in the flower garden can by their use be rendered bright and cheerful. Prices per dozen and 100 include postage.

SIBIRICA (The Blue Squill). Bright blue, nothing more beautiful for edgings or pots in early spring, flowering with the Snowdrop. Height, 4 inches.

Mammoth Bulbs. Doz., **75c**; 100, **$5.00**; 1000, **$45.00.**

CAMPANULATA. Clear Blue, very erect in habit (15 inches). Doz., **70c**; 100, **$4.50**; 1000, **$40.00.**

Alba. Pure white (12 in.) Doz., **70c**; 100, **$4.50**; 1000, **$40.00.**

Rosea. Fine rose (15 in.) Doz., **75c**; 100, **$5.00**; 1000, **$45.00.**

In the Foreground, Cottage Tulips as They Like to Grow

A Page for Bulb Beginners

THIS catalog goes to all our customers. Yet our orders in the fall are about one-third those in the spring. Two out of three who make spring gardens, then, do not plant bulbs in the autumn.

Why?

It must be because they do not know the harvest of joy and beauty which one reaps in the spring and early summer months, as payment for the little trouble and expense of planting bulbs in the autumn.

If a beginner in gardening sought the flowers most certain of success for his initial trial, he would be directed to the fall bulbs. If a few simple rules be observed one cannot fail with these. Within the bulb which we sell you is a flower. It has grown half way to maturity in Holland fields. Plant it in your garden in a well drained spot this fall, and it will complete its growing during the winter and early spring. Its flower will greet you before the weeds appear. Not even cultivation is required for this harvest. No insects will prey upon the flowers of spring bulbs, and they have no diseases to require expert treatment. Of all the rewards won by the gardener, that found in the beauty of spring-flowering bulbs is the most dependable and satisfying.

A gardener may love the winter, his season of rest, when he plans by the fireside the months of enjoyment to come. But is there ever a one who fails to grow impatient and long for the day when the first flower of spring shall open?

Without the bulbs, this day would be late, indeed. The crocuses, scillas, and daffodils begin the garden season. In March (in Chicago's latitude) they thrust their heads above a desolate soil, and bring a welcome message to those who watch.

Spring-flowering bulbs prolong the garden season by a month at least. Not only that, but among them are flowers which even did they come in June, when gardens are crowded with glory, no gardener would be without.

There are in the garden season a dozen flowers that dominate, one after the other herbaceous borders. Each in its season is the headliner of the show. The complete border must contain them all, let it have what else it will. They are, in order of appearance: Daffodils, tulips, iris, peonies, larkspur and lilies, hollyhocks, phlox, dahlias (where they can be grown), zinnias, cosmos, hardy asters and chrysanthemums. From March to Thanksgiving day their pageant continues. All these may be planted in the fall, except the dahlias, zinnias, and chrysanthemums.

The purchase of spring-flowering bulbs should not be considered an expense, to be charged to one garden season. It is an investment. A stock of bulbs has been known to produce flowers in the same garden for a century.

Even the labor of lifting bulbs after flowering may be dispensed with. All do excellently when left undisturbed year after year. This practice, indeed, is recommended for the daffodils. And tulips will suffer small loss if allowed to remain in a bed where they have done well, with annual doses of bone meal, and occasional liming.

How to Plant Bulbs

PLANT all fall bulbs except tulips as soon as they can be secured. Plant tulips when the leaves fall.

Drainage is essential. Dig the soil deeply—eighteen inches if possible, pulverize fine, and if heavy, place a cushion of sand under the larger bulbs, especially lilies.

Use no barnyard manure unless it can be spaded into the ground the spring previous to planting. Bone meal is the only safe fertilizer and should be used freely.

If planting with a dibber, take care that the bulb rests on the soil and is not "hung"—that is, left with a hole beneath it caused by the point of the dibber.

Plant bulbs as a rule one and a half times the depth of the bulb, early tulips 4 to 5 inches deep, the larger late tulips 5 to 6 inches deep, narcissus and hyacinths 5 to 6 inches deep, lilies 6 inches deep, crocuses and small bulbs 2 inches deep.

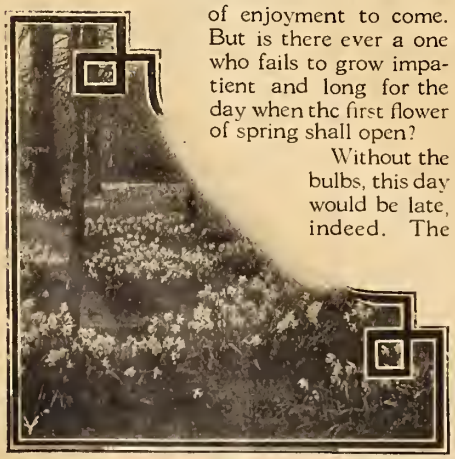
BEGINNER'S BULB OFFERS

(All Postpaid)

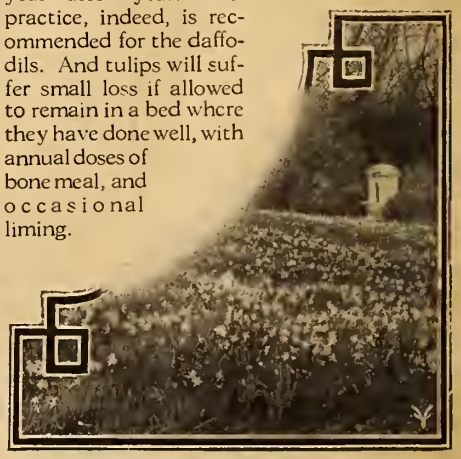
$5.00 We will send bulbs of the finest quality of our selection, all named varieties, or single colors, no mixtures, bagged separately with names on bags; the following assortment: 25 crocuses, 25 scillas, 25 early tulips, 25 May-flowering tulips, 25 daffodils, 25 narcissi—150 bulbs for **$5.00.**

$10.00 We will send bulbs of the finest quality and of the better named varieties, bagged separately, with names on bags, the following assortment: 50 crocuses, 50 scillas, 25 early tulips, 25 Darwin tulips, 25 Cottage tulips, 25 Breeder tulips, 25 large trumpet daffodils, 25 medium trumpet daffodils, 25 narcissi, 25 bedding hyacinths—300 bulbs for **$10.00,** postpaid.

$25.00 We will send bulbs of the finest quality and of the better named varieties, bagged separately with names on bags, in the following assortment: 150 crocuses, 150 scillas, 100 early tulips, 100 Darwin tulips, 100 cottage tulips, 50 Breeder tulips, 50 large trumpet daffodils 50 medium trumpet daffodils, 100 narcissi, 25 bedding hyacinths, 875 bulbs, prepaid for $25.00.



Narcissi, Naturalized—



Make Bleak March Gay

Late Tulips give the finest color display of the year.

Color-Scheme Tulip Plantings

TULIPS are, above all, color. They have beauty of form; there is nothing more graceful in the floral kingdom than their cup-shaped blossoms poised on slender stems, sometimes three feet high; but one can have small appreciation of their charm without a knowledge of their extraordinary range of colors.

It follows that color is of prime importance in tulip plantings; and color harmonies and contrasts must be studied in planning them.

As concrete examples we have planned 12 combinations for which we offer bulbs, of our selection, at a special price. We are able to make a special price, because we can select the colors demanded from varieties of which we are not short. There is never any way to tell what named varieties are to be in most demand each year. We order on the basis of last year's demand, the only basis we have; but usually sales go differently, and we soon find ourselves with a shortage of some varieties and a surplus of others; and the latter are apt to be the finer and higher priced.

These collections will be found far more satisfying than mixtures. We sell mixtures, but we do not advise the discriminating gardener to plant them. It is inevitable that where such a wide color range exists as in the case of tulips, plantings of mixed bulbs will create a confused impression. Individually the flowers are no less beautiful, but as a whole their attraction is lessened. One color detracts from the other. Where single colors are planted in groups large enough to register, the opposite effect is true. Each flower of a color echoes the others and enhances their charm; and where groups are placed together in harmony or in contrast, one group magnifies the effect of another.

To encourage originality of arrangement in these plantings, we offer no planting plans, but suggest that the colors be grouped in pleasing contrast in whatever setting your garden may provide. In the formal bed the perennial border, at the foot of the shrubbery border, along the garden fence wherever their colors are desired, so that they have good drainage and sunlight, these tulips will be happy.

For the early varieties 6 inches between bulbs in all directions should be allowed, and for the Darwin and Breeder varieties, 8 inches are needed.

Single Early Tulips

Red and White

25 of each (50 bulbs)	$ 2.50
50 of each (100 bulbs)	4.50
100 of each (200 bulbs)	8.00
250 of each (500 bulbs)	20.00

Pink and White

25 of each (50 bulbs)	$ 2.50
50 of each (100 bulbs)	4.50
100 of each (200 bulbs)	8.00
250 of each (500 bulbs)	20.00

Red, White, Yellow

25 of each (75 bulbs)	$ 3.75
50 of each (150 bulbs)	7.00
100 of each (300 bulbs)	13.50
250 of each (750 bulbs)	35.00

Double Early Tulips

Red and White

25 of each (50 bulbs)	$ 3.00
50 of each (100 bulbs)	5.50
100 of each (200 bulbs)	10.00
250 of each (500 bulbs)	25.00

Pink and White

25 of each (50 bulbs)	$ 3.00
50 of each (100 bulbs)	5.50
100 of each (200 bulbs)	10.00
250 of each (500 bulbs)	25.00

Red, White Yellow

25 of each (75 bulbs)	$ 5.00
50 of each (150 bulbs)	9.00
100 of each (300 bulbs)	17.00
250 of each (750 bulbs)	42.50

Darwin Tulips

Black (Dark Purple) and White

25 of each (50 bulbs)	$ 2.50
50 of each (100 bulbs)	4.50
100 of each (200 bulbs)	8.00
250 of each (500 bulbs)	20.00

Rose and Blue-Purple

25 of each (50 bulbs)	$ 2.50
50 of each (100 bulbs)	4.50
100 of each (200 bulbs)	8.00
250 of each (500 bulbs)	20.00

Red and White

25 of each (50 bulbs)	$ 2.50
50 of each (100 bulbs)	4.50
100 of each (200 bulbs)	8.00
250 of each (500 bulbs)	20.00

Darwin and Breeder Tulips

Rose, Lavender, Pink, Reddish Mahogany, Yellow

25 of each (125 bulbs)	$ 7.50
50 of each (250 bulbs)	14.00
100 of each (500 bulbs)	25.00

Yellow and Lilac

25 of each (50 bulbs)	$ 3.00
50 of each (100 bulbs)	5.50
100 of each (200 bulbs)	10.00
250 of each (500 bulbs)	25.00

Scarlet, Purple, Brown, Lavender, Orange-Bronze, Rose-Pink

25 of each (150 bulbs)	$10.00
50 of each (300 bulbs)	19.00
100 of each (600 bulbs)	35.00

This Collection also contains Cottage Tulips

All Summer Borders

SINCE the perennial border assumed a position of pre-eminence in the modern garden, the summer is divided, in the garden world, into seasons of dominance, each named for the flower that is unrivaled at that time.

These dominant flowers succeed each other as though nature had planned them for a show to continue with hardly a break from March to Thanksgiving.

Beginning with daffodils, the first major flowers, that follow the minor bulbs—such as crocuses and scillas—there come, in order, tulips, early and May-flowering, the iris, the peonies, the larkspurs and lilies, the hollyhocks, the phlox, the asters, and chrysanthemums. From June until frost, a numerous company of both annuals and perennials, should be built up to support these headliners. But without the stars, the garden will lack is chief attractions; for they are the start and the mainstay of the border.

To help get this start, to introduce you to the main performers in the garden pageant, we have planned the combination borders on this page. Let us suggest, that the cost of these flowers should not be reckoned as an expense to be repeated each year. They are as permanent as shrubs, or trees.

We advise that you select, to begin, the largest collection you feel you can afford, but at the same time assure you that whichever you may choose, it will be but a beginning. It will help you begin right, with a garden which keeps alive your interest, by providing throughout the summer a present attraction, a promise of beauty to come, and memory of what has passed. Chrysanthemums are not included in these collections because they must be planted in the Spring.

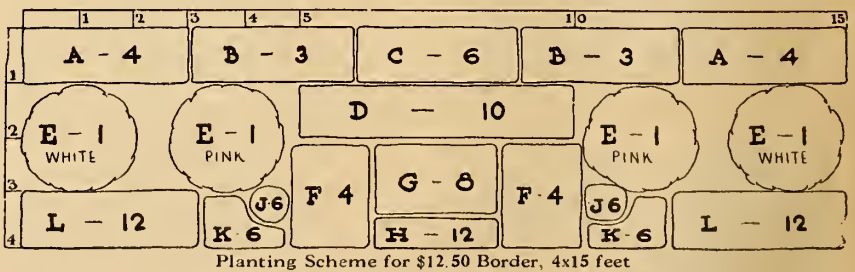
The Perenial Border is Pre-eminent in the Modern Garden

For more complete information about the flowers which dominate, we refer you to the pages especially devoted to each.

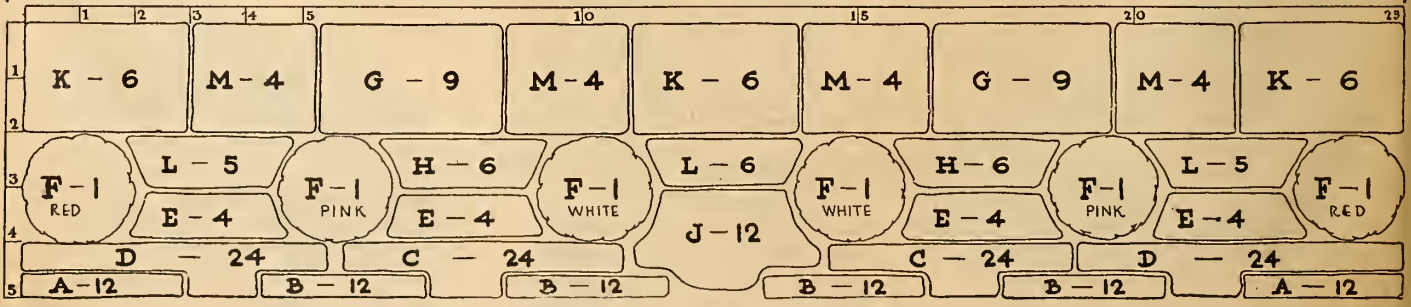
$5.00 We will send 6 daffodils, 6 early tulips, 12 May-flowering tulips, 6 iris of different varieties, 1 peony, 3 delphinium plants, 6 madonna lily bulbs, 3 hollyhock plants, 4 phlox plants, 3 hardy aster plants, 50 items in all, express collect for $5.00.

$12.50 To plant the border diagrammed below, 4x15 feet, we will send: A—8 Hollyhocks; B—6 Hardy Asters; C—6 Delphiniums; D—10 Madonna Lilies; E—4 Peonies, 2 Pink, 2 white; F—8 Iris, purple; G—8 Phlox, pink; H—12 Daffodils; J—12 Narcissi; K—12 Early Tulips; L—24 May-flowering tulips. 110 items in all, express collect for $12.50.

$25.00 To plant the border diagrammed below, 5x25 feet, we will send: A—24 Daffodils; B—48 Narcissi; C—48 Early Tulips; D—48 May-flowering Tulips; E—16 Iris; F—6 Peonies, 2 white, 2 red, 2 pink; G—18 Delphiniums; H—12 Madonna lilies; J—12 Umbellatum lilies; K—18 Hollyhocks; L—16 Phlox; M—16 Asters, (New England). 282 items in all, express collect for $25.00.



Planting Scheme for $12.50 Border, 4x15 feet



Planting Scheme for the $25.00 Border, 5x25 feet

Lawnmaking in the Autumn

LAWNS endure each year two periods of trial, mid-summer and midwinter, during which they are likely to suffer severe damage. In compensation they enjoy two seasons of excellent weather—excellent, that is, for grass. These are the autumn, and the spring.

The midsummer ordeal of hot and dry weather is complicated by the strain of seed forming. At the time decreed by nature, grass "goes to seed," whether the plants be young or old. This takes strength and stops growth. It is particularly trying on young plants from spring-sown seed, which have had little time to become stocky and sturdy. It makes them spindly and weak, poorly prepared to resist the strain of the summer's drouth.

Fall is the Time to Sow Grass

IN THE autumn there is no seeding, no drouth, no excessive heat. Seed sown in September germinates in time for a long stretch of favorable weather in which to become established before winter sets in. The winter ordeal is not so severe as the summer; and after it comes a long, cool spring, for further growth before midsummer and seeding time arrive. Fall, therefore, is the best time to sow grass, so much so that experts of the Department of Agriculture advise never to sow in the spring, when it is possible to sow in the autumn.

The Value of Tested Seed

OUR lawn mixtures are cleaned and re-cleaned. Then our seeds are tested for germination to insure that they have in them the power to grow. Our blends for various purposes are composed of several grasses, each of which has a purpose; some to make a quick show, some to make a quick turf the first summer, a little clover to help enrich the soil and fill in bare spots and always Kentucky Blue Grass of the finest quality to take hold in its own way, to spread and finally to dominate in the permanent turf.

Pure seed such as we sell goes twice as far as the adulterated mixtures generally obtainable at bargain prices; and our seed should be mixed with sand when sown to help scatter it.

See that the seed is well covered. Rake it into a new seed bed and roll so that the soil is firmed over the seed. Where seed is sown on an old lawn always cover it with a top dressing of sand or soil and fertilizer. Seed thrown on the top of hard ground has no chance to grow and will merely wash off.

Lawns sown in the fall generally need a light protection for the winter—a top dressing or light mulch, or a covering of straw.

Quantity to Use—On new lawns use 1 lb. of seed for 300 square feet. To replenish lawns where turf is thin use half quantity.

Vaughan's Special Grass Mixture

This contains a large proportion of the finer, and more expensive grasses, like the Bent Grasses, Red Fescue, Kentucky Blue, etc., in extra heavy samples, making weight 20 lbs. per bushel. Produces turf of closest, finest texture. Sow 100 lbs. to acre.

Price, per quart, 65c; bushel of 20 lbs., $12.00.

Vaughan's "Chicago Parks"

Vaughan's "Chicago Parks" Lawn Seed is familiarly known everywhere in the United States where lawns are made. It produces a beautiful and enduring turf without the aid of cheap "quick-showing" grasses, which are only of temporary value. For more than 40 years it has been standard in America.

½ lb., 30c; lb., 55c (by mail, 60c); 5 lbs., $2.65; 10 lbs., $5.25; 15 lbs., $7.80; 20 lbs., $10.30; 25 lbs., $12.75; 50 lbs., $25.25; 100 lbs., $50.00.

Vaughan's "Columbian"

For Shady Lawns or Sandy Soil

On sandy soil in shade, conditions are met with when making a lawn which require the use of a special grass seed mixture. Vaughan's "Columbian" is the correct mixture for such locations.

Price, lb., 55c (by mail, 60c); 5 lbs., $2.65; 10 lbs., $5.25; 15 lbs., $7.80; 20 lbs., $10.30; 25 lbs., $12.75; 50 lbs., $25.25; 100 lbs., $50.00.

Write for special prices on large quantities.

Vaughan's Dense Shade Mixture

Composed of grasses most suited for growing in heavily shaded situations.

Price, per lb., 75c; 5 lbs., $3.60; per bu. of 20 lbs., $14.00.

Vaughan's Lawn-Restoring Grass Mixture

Takes hold and grows quickly on worn-out or burned spots. Sow in Fall, also before every Summer rain, on thin places.

Price, per quart, 60c; per bushel of 24 lbs., $13.00.

Vaughan's "Quick Show" Grass Mixture

Has not the permanency of color of our "Chicago Parks," but makes a respectable showing the first season. Sow 100 lbs. to acre.

Price, per lb., 40c (by mail, 45c); 5 lbs., $1.95; 100 lbs., $35.00.

Kentucky Blue Grass

We offer in two grades—**Extra Fancy Seed,** sun-dried, twice re-cleaned. Of very high germination.

1 lb., 65c (by mail, 70c); 5 lbs., $3.10; 10 lbs., $6.00; 100 lbs., $57.00.

Fancy Seed—Actual weight 21 lbs. per bushel. **1 lb., 55c (by mail, 60c); 5 lbs., $2.60; 10 lbs., $5.00; 100 lbs., $47.00.**

Red Top Grass

Fancy re-cleaned. Solid seed, 32 lbs. to bushel. **1 lb., 45c (by mail, 50c); 10 lbs., $3.80; 100 lbs., $34.25. Common Unhulled**—Bushel, 14 lbs. **1 lb., 30c (by mail, 35c); 10 lbs., $2.70; 100 lbs., $23.00.**

White Clover

Extra fancy seed. **1 lb., 65c; 5 lbs., $3.10; 10 lbs., $6.00.** Add 5 cents per pound for postage if wanted by mail.

Creeping Bent Stolons

We are now able to supply this splendid golf grass for private use. It produces a fine lawn in one season, but must have extra care, several top dressings a year and frequent mowing. But for those willing and able to provide the needed care it will repay as no other grass known. For $25.00 we will send you enough runners and roots of the grass to plant 1,000 squre feet Smaller quantities cannot be supolied. If larger quantities are desired ask for a special quotation. We furnish complete directions and deliver to you in the best growing condition. A letter giving further information about Creeping Bent Stolons will be sent upon request. It is best to plant stolons in May and June for spring planting, and from the middle of August to the end of September for fall planting

(For Fertilizer see page 47.)

Grow Your Christmas Flowers

In Bowls, Without Drainage, With Gravel and Water, or Fibre and Water

Paper White Narcissi

PERHAPS the most popular indoor flower, and the one most easily successful is the Paper White Narcissus. These beautiful and fragrant flowers may be grown in bowls, in fibre and water or gravel in water. They may also be forced in soil in pots or window boxes. Their tall spikes of bloom bear from six to one dozen flowers each. The pure white petals and gold cups of some varieties, the yellow with deep orange cups of others and the self whites and yellows render them great favorites. It takes 5 to 6 weeks to produce flowers. The larger the bulbs, the larger and finer the flowers.

If by Parcel Post, 12 bulbs weigh 3 lbs.; 50, 10 lbs. Add postage at zone rates.

Medium Bulbs, 12-13 ctms., per doz., **40c**; per 100, **$2.75**; per 1000, **$25.00**.
Fancy Selected Bulbs, 13 ctms., per doz., **50c**; per 100, **$3.50**; per 1000, **$30.00**.
Mammoth Bulbs, 14 ctms., per doz., **60c**; per 100, **$4.00**; per 1000, **$35.00**.
Jumbo Bulbs, 15 ctms, per doz., **75c**; per 100, **$5.00**; per 1000, **$40.00**.

Chinese or Sacred Lily

THE Chinese or Sacred Lily is a Narcissus introduced from China. The bulbs are large, measuring from 12 to 18 inches in circumference, and throw up from five to 10 flower-spikes, bearing clusters of large, perfect, waxy white blossoms, with yellow center; of a most delicious fragrance. A dozen bulbs planted at intervals 3 in a bowl with enough gravel to hold them upright will give a profusion of bloom during the winter months. In order to get best results it is advisable to cut two or three slits half an inch deep, up and down the sides of the bulbs near the top; this enables the weak shoots to burst through the tough outer layer.

Imported Select Bulbs. Each, **15c**, postpaid; per doz., **$1.25**; 100, **$8.00**.
Mammoth. Each, **25c**, postpaid; per doz., **$2.00**; 100, **$15.00**.

Lillies of the Valley

THESE beautiful, fragrant flowers may be brought to flower in 18 to 21 days, if pips from cold storage are used. Plant about 25 pips in a 7-inch pot or pan, place in a warm temperature, 65 degrees Fahrenheit and shade from light until leaves and spikes are well developed, then admit light gradually. Increase temperature to 75 degrees or 80 degrees if possible. An inverted pot over each potful answers admirably to shade them. This is the treatment for cold storage pips only.

COLD STORAGE PIPS, ready November 1. Per doz., **$1.00**; 25 for **$1.75**; 100 for **$6.00**, postpaid.

Freesias

THESE are well known for their delightful fragrance, the new colored ones which we offer adding a new charm to the class. They should be potted in September, left outside until the approach of frost, then taken inside to a sunny, airy window, where they will flower freely from January onwards. Plant early to secure good roots. Allow five months to produce flowers.

VAUGHAN'S PURITY. Flowers are a magnificent snowy-white, of very large size and great fragrance. One bulb will throw three to five flower heads, each of which will have from eight to nine buds of the finest type.
½-inch flat, per doz., **30c**; per 100, **$1.25**; per 1,000, **$8.00**.
½ to ⅝-inch, per doz., **40c**; per 100, **$2.00**; 1,000, **$15.00**.
⅝ to ¾-inch, per doz., **55c**; per 100, **$3.00**; 1,000, **$25.00**.

FISCHERII. The flowers are very large, measuring two inches across. Per doz., **$1.25**; per 100, **$8.00**; per 1000, **$75.00**.

For named varieties, see page 20

Daffodils and Jonquils

DAFFODILS are excellent subjects for indoor growing in bulb pans in soil or fibre. This method requires more skill than growing bulbs in water. It is described in some detail (page 7) under the heading "Hyacinths in Pots." Success depends on the extent to which fine roots are developed before the pots are brought to the light. These roots develop best when the pots are kept a few degrees above freezing. A pit in the garden which is protected for surface water, so it will not fill, is an excellent place to store the bulbs. The pots may be covered with leaves, straw, or even with ashes or sand; and brought in, after eight weeks, when it is desired to begin forcing them. Figure on not less than five months before flowers are produced. After being brought into the house, a temperature of 50 degrees is sufficient until the formation of buds begins, and the best flowers will then be formed in a temperature of 60 degrees. All the light possible should be given after top growth begins.

The Von Sion Double Daffodil has no equal of its class for potting or forcing. Our complete list of daffodil bulbs will be found on pages 16 to 18 inclusive.

If by Parcel Post, 12 Mother bulbs weigh 3 lbs.; 50, 10 lbs. Other sizes, 12 bulbs, 2 lbs.; 50, 7 lbs.

VON SION. Mother Bulbs. (Jumbo Size.) Extra large in size, the best roots our growers can select. Each bulb will bring three or more flowers. Per doz., **$1.15**; per 100, **$7.50**; per 1000, **$70.00**.

VON SION, Fancy Selected Bulbs. Per doz., **75c**; per 100, **$5.00**; per 1000, **$45.00**.

Jonquils are noted for their graceful, sweet-scented flowers, in or out-of-doors. They thrive well in a moist, shady position in borders, and make splendid edgings to beds of some of the taller Narcissi. For indoor decoration three or four bulbs should be grown in a four or five-inch pot. Add postage at zone rates; 12 bulbs, 1 lb.; 100, 7 lbs.

Double. Fragrant. Rich golden-yellow, fragrant flowers, usually two on a stem. Per doz., **75c**; per 100, **$5.00**; per 1000, **$45.00**.
Single. Per doz., **55c**; per 100, **$3.50**; per 1000, **$30.00**.
Rugulosus. Giant-flowered, wrinkled cup, fine for cut flowers, extra fine forcing. Per doz., **80c**; per 100, **$5.50**; per 1000, **$50.00**.
Rugulosus Plenus. Double yellow flowers on tall graceful stems. Sweetly perfumed. Per doz., **90c**; per 100, **$6.00**; per 1000, **$55.00**

French Roman Hyacinths

The white variety, if planted early in September and slowly forced, will bloom in November. The others require from two to three weeks longer. They will flower in three months.

White, select size, per doz., **$2.00**; per 100, **$15.00**.
Blue, per doz., **$1.50**; per 100, **$10.00**.
Light Pink, per doz., **$1.50**; per 100, **$10.00**.
Dark Pink, per doz., **$1.50**; per 100, **$10.00**.

VAUGHAN'S PREPARED FIBRE

For growing Bulbs in Bowls without drainage. Per lb., 15c; 3 lbs., 40c; 10 lbs., $1.00.

Bulbs for Indoor Gardening

Hyacinths in glasses blossom in 6 weeks. Amaryllis is largest of easily forced flowers.

Hyacinths

Hyacinths in Pots

IT is important in the pot culture of Hyacinths to have rich, light soil. Cover the hole in the pot with a piece of broken pot, and over this place a layer of moss, which will keep the soil from clogging the drainage thus provided. Break off any offsets which appear at the base of the bulbs, and, in potting, place each bulb so that its top shall be half an inch below the surface of the soil, and an inch below the rim of the pot. Use a 5-inch pot for single bulb or four in a 6-inch pot. Give a good watering and set away in a dark, cool place. An excellent place is in an outdoor pit, well drained, where you can cover them with about 3 to 5 inches of coal ashes or sand. Let them remain here for eight or ten weeks, bringing them to the light as required.

Belgian Hyacinth Glasses — **Tye Shape**

PRICES	Each.	Doz.
Belgian. Tall	$0.40	$3.75
Tye Shape	.40	4.00

Not responsible for breakage in transit.

Hyacinths in Glasses

The single varieties are, with a few exceptions, best adapted to this mode of culture. They produce finer flower spikes than the double. Fill the glass with clear soft water, so as to nearly touch the base of the bulb, putting a small piece of charcoal in each glass to keep the water pure and afford some nourishment. The filled glasses should be placed in a dry, cool, dark place, and kept there until the roots almost touch the bottom of the glass, when they may be exposed gradually to the light. Water must never be changed, but should be replenished.

Exhibition Hyacinths—Monster Bulbs

THESE should be planted in pots, ornamental bowls, or pans; or grown in water in Hyacinth glasses. They are not suitable for outdoor cultivation. We have arranged with one of our Dutch growers to select the very finest and largest bulbs he has of special kinds of superior quality, that will give huge spikes in some of the choicest colors obtainable. They are all single-flowered:

Red, Pink, White, Blush-White, Light and Dark Blue, and Yellow. Each variety will be carefully packed and named.
Price, each, 40c; per doz., $3.75; per 100, $28.00.

Vaughan's Rainbow Collections

Single Named Hyacinths for Window Garden

LADY DERBY, Pink. GRAND MAITRE, Light Blue. ROI DES BELGES, Red. L'INNOCENCE, White. KING OF THE BLUES, Dark Blue. KING OF THE YELLOWS, Yellow.

PREPAID PRICES—	Postpaid
A— 6 Bulbs, one of each variety	$1.50
B—12 Bulbs, two of each variety	2.75
C—24 Bulbs, four of each variety	5.00
D—36 Bulbs, six of each variety	7.50

For other named varieties of Hyacinths for indoor growing, see page 19.

Amaryllis

OF all bulbs which the amateur can grow successfully indoors, the Amaryllis is at once the largest, most beautiful, surest to flower and most easily handled. Our new hybrids, especially, are so gorgeous in size and coloring as to amaze those not familiar with them. From a single stem, spring from one to three lily-like flowers, six to eight inches in diameter. So vigorous are the bulbs that they will blossom if stood on a table in a warm room, but it is better to grow them in pots.

They thrive best in a compost of two-thirds good garden loam with one-third leaf mold, to which should be added a little sand. They require temperature of 50 to 55 degrees, and if to be forced it should be raised ten degrees.

The size of the pot depends on the variety and size of bulb. A six-inch or seven-inch pot will accommodate one bulb of most varieties, though some of the "monster" bulbs require as large as a 10-inch or 12-inch pot. Place only one bulb in each pot, covering it as far as the neck or upper narrow part. Water sparingly at first until the flower shoots begin to appear. Some growers keep them in the dark until the flower stems are four or five inches long, and then bring them to the light.

After flowering they should be placed in a warm window, or set outside in sand or cinders and watered every day, (sometimes twice a day), until the end of August when water should be gradually withheld and the bulbs allowed to go to rest.

BELLADONNA MAJOR. Fall bloomer, very free and fragrant. Flowers which are a lovely shell-pink color, are borne on stems 2 to 2½ feet high.
Large Bulbs. Each, 25c; per doz., $2.75; 100, $20.00.
Equestre. Orange-scarlet. Each, 25c; doz., $2.75; 100, $20.00.

JOHNSONI. Has immense trumpet-shaped flowers, which measure 6 to 8 inches across, are borne on strong fleshy spikes, and are rich, deep velvety crimson, each petal having a broad white stripe contrasting beautifully with the deep red color. Each, 50c; doz., $5.00; 100, $35.00.

VAUGHAN'S NEW HYBRIDS. One of the finest strains of Amaryllis we have yet seen, raised by an eminent grower whose entire stock we have purchased. Flowers are immense, borne mostly two and three to a stem, in an amazing and beautiful range of colors, blended, splashed and striped in a manner not seen in other strains. **California-Grown:** Each, 75c; Doz., $7.00; 100, $55.00. **Florida-Grown:** Each 60c; doz., $5.50; 100, $40.00.

Dutch Roman or Miniature Hyacinths

(Also called Cynthellas)

These are fine for growing in pots, pans or window boxes. Although naturally small in size, they give very large spikes of bloom, considering the size of bulb. Follow directions given for "Hyacinths in Pots." Mailing weight per doz. 2 lbs.

SINGLE RED AND ROSE—LADY DERBY, bright rose-pink; **GERTRUDE,** clear rose; **LA VICTORIA,** brilliant dark pink.
Prices Per doz., $1.35; per 100, $9.00; 1000, $85.00.

SINGLE WHITE —LA GRANDESSE, snow-white; **L'INNOCENCE,** purest white.
Prices Per doz., $1.35; per 100, $9.00; 1000, $85.00.

SINGLE BLUE —GRAND MAITRE, deep porcelain; **QUEEN OF THE BLUES,** light blue.
Prices Per doz., $1.35; per 100, $9.00; 1000, $85.00.

VAUGHAN'S PREPARED FIBRE

For growing Bulbs in Bowls without drainage.
Per lb., 15c; 3 lbs., 40c; 10 lbs., $1.00.

Bowls and Bulbs for Indoors

MOSTIQUE BOWLS

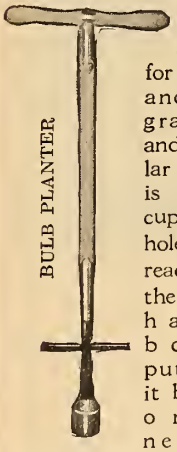
Mostique Type

BOWLS of this type are of pottery having a roughened surface of cream color, and a pattern, smooth surfaced, colored in blue, yellow and light greeen. The pattern is inconspicuous, and will harmonize with flowers of any color which may be grown. Inside the bowl is glazed, to hold water.

Prices: 5-inch (weight 2 lbs.), 75 cents each; 6-inch (weight 3 lbs.), 90 cents; For Parcel Post delivery add postage at zone rates. See page 48.

Colored Glass Bowls

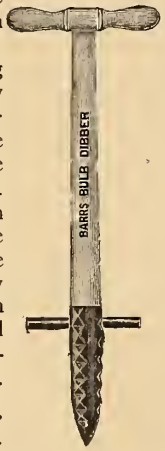
THESE bowls come in green, blue, yellow and coral, all with a black band as illustrated. Prices: 5-inch (weight 2 lbs.), 50 cents; 6-inch (weight 3 lbs.), 60 cents; 7½-inch (weight 4 lbs.), 85 cents. For Parcel Post delivery add postage at zone rates. See page 48.



Bulb Planter

Specially designed for planting Daffodils and other bulbs in grass, This tool cuts and lifts a clean circular piece of turf which is released from the cup when the second hole is made, and lies ready at hand to fill in the holes when the bulbs have been put in, it being only necessary to remove a little of the soil from the bottom of the sod. A time must be chosen for planting when the ground has become softened after early autumn rains. When the ground is baked hard no tool will perform with satisfaction.

Each (in Chicago), $8.75; (in N.Y.), $8.50.



COLORED GLASS

Bulb Dibber

Specially designed for dibbling bulbs into borders, etc., steel shod, with strong iron thread and cross wooden handle; a good strong heavy tool, weight, about 6¾ lbs., length 36 inches over all. Where there are several hundred bulbs to plant this tool will save its cost. Useful in transplanting vegetable plants.

Each (in Chicago), $6.75; (in New York), $6.50.

"Say it With Flowers"

Your gardening friends will be delighted with gift of plants, bulbs, or seeds from Vaughan's to commemorate a birthday or other occasion. We shall gladly enclose your card if you request it.

F. L. Style

A POTTERY bowl with a matt green, blue and jet black glaze finish. Prices: 5-inch (wt. 2 lbs.), 40c; 6-inch (wt. 3 lbs.), 50c; 8-inch (wt. 4 lbs.), 85c. For Parcel Post delivery add postage at zone rates. See page 48.

Gravel and Pearl Chips

Gravel for these bowls, 5c per lb.; 5 lbs., 20c; 10 lbs., 35c. Pearl chips, 15c per lb.; 10 lbs., $1.25.

Pearl Chips, Colored. Per lb., 20c; 10 lbs., for $1,50,

For Parcel Post delivery add postage at zone rates.

Not responsible for breakage if bowls are sent by Parcel Post.

Dibber. For planting bulbs and plants; steel point. Ea., 75c; (wt., 10 oz.)

F. L. STYLE (Round Pottery)

Collections for Pots or Bowls

(A) HYACINTHS, First — 12 bulbs; 4 kinds; 3 of each, separate, $3.00; Double quantities, $5.50

(B) HYACINTHS, Standard — 12 bulbs; 4 kinds; 3 of each, separate, 2.50; Double quantities, $4.50.

(C) HYACINTHS, "Miniatures" — 12 bulbs; 4 colors; 3 of each, separate, 1.25; Double quantities, $2.25.

(D) NARCISSUS, Large Trumpets — 6 varieties; 3 of each; separate, 18 bulbs 2.00; Double quantities, $3.75.

(E) NARCISSUS, Medium and Small Trumpets..... — 6 varieties; 3 of each; separate, 18 bulbs, 1.00; Double quantities, $1.85.

(F) TULIPS, (Early Single) — 6 kinds; 3 of each; separate, 18 bulbs, 1.00; Double quantities, $1.85.

(G) TULIPS, (Early Double) — 6 kinds; 3 of each; separate, 18 bulbs, $1.50; Double quantities, $2.75.

(H) TULIPS (Darwin) — 6 varieties; 3 of each; separate; 18 bulbs, 1.00; Double quantities, $1.90.

(J) CROCUS — 6 varieties; 6 of each; 36 bulbs..... 1.00; Half the quantity for 50c.

FOR GROWING IN GRAVEL AND WATER OR GLASSES

12 Hyacinths, Single, 3 Colors, for Glasses, $3.00.

(K) PAPER WHITE NARCISSUS. 12 large bulbs, 60c.

(M) CHINESE NARCISSUS. Each, 15c; dozen, $1.50.

Bird, Fish and Dog Supplies

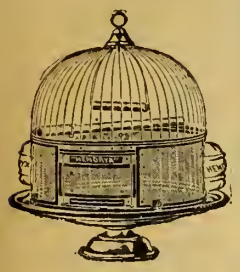
Cages and Stands

Foods and Supplies

Canaries

Vaughan's Guaranteed Singers

Hartz Mountain, males	$ 8.00
St. Andressberg, males	10.00
Siebert Rollers, males	15.00



Hendryx All Brass Cages

No. 274—10¼-inch diameter	$4.00
No. 275—11-inch diameter	4.50
No. 276—11¾-inch diameter	5.00

Cage Stands Polished Brass

Half Moon	$5.00
Full Moon	6.50

Vaughan's Specially Prepared Bird Products

Bird Food—A song restorer and moulting food	$0.30
Bird Tonic for birds in run-down condition, colds, etc	.25
Bird Lice Powder for birds or cage	.15
Bird Cuttle Bone	.10
Bird Gravel Washed, 2-lb. pkg	.15

Vaughan's Recleaned Bird Seeds

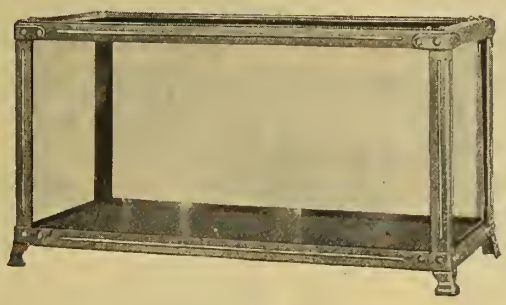
Are sold only in bulk, assuring you Fresh Clean Seed at all times.

	1 lb.	5 lbs.	10 lbs.
Canary	$0.15	$0.70	$1.30
Rape	.15	.70	1.30
Hemp	.15	.60	1.10
Sunflower	.15	.65	1.20
Millet	.10	.35	.60
Unhulled Rice	.15	.70	1.30
Steel Cut Oats	.10	.40	.70
Hulled Oats	.10	.40	.70

Thistle, lb., 50c; Puppy, lb., 40c; Lettuce, lb., 25c.

Write for complete list of Birds and Supplies.

Gold-Fish Aquariums, Bowls and Supplies



These aquariums are made of polished aluminum, glazed with double-strength glass and heavy glass bottom.

No. 00—1 -gal. capacity	$ 3.30
No. 01—1½-gal. capacity	4.30
No. 02—2 -gal. capacity	5.00
No. 03—3 -gal. capacity	6.00
No. 04—4 -gal. capacity	7.00
No. 11—5 -gal. capacity	10.00
No. 12—7 -gal. capacity	12.00

Gold-Fish Bowls

We carry an extensive assortment of styles and sizes in Gold-Fish Bowls, supplied in clear glass and in blue, amber, green and canary-colored glass.

5-qt., Clear	$1.00
10-qt., Clear	1.50
5-qt., Colored	1.50
10-qt., Colored	2.25

Castles and Ornaments

15c, 25c, 40c, 60c, 75c and $1.00.

Colored Shells, pkg	$0.25
Shell Chips, lb	.15

Fish Foods

Vaughan's Natural Fish Food, pkg	$0.15
Vaughan's Wafer Fish Food, pkg	.10

Price list on Gold-Fish mailed free on request.

Dog Supplies

We carry a complete line of Dog Furnishing of a superior quality.

Harness

Made from selected leather—double-stitched, heavy name plate and buckle, studded—constructed so that strain is on chest and shoulders of the dog, adjustable.

Made in four colors: Tan, Black, Green and Red.

No. 3691—⅜-inch—15-17-19 inches	$2.00
No. 3692—½-inch—15-17-19 inches	2.25
No. 3693—⅝-inch—17-19-21 inches	2.50
No. 3694—¾-inch—23-25-27 inches	2.75
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Studded, enameled in Red, Black or Green.

No. 155—⅝-inch—12-13-14-15 inches	$1.50

Show, Red Green or Black.

⅜-inch—12-13-14-15 inches	$0.75
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Best Nickel Plated Steel (imported).

7 inches long—No. 1, Coarse Teeth; No. 2, Medium; No. 3, Coarse or Fine, each	$1.75
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No. 6, Fine; No. 0, Flea Comb, each	1.50

Stripping Combs, $1.00, $1.50, $1.75, $2.00.

Foods and Remedies

Ken-L-Ration is a balanced Meat Food for every day feeding.

Per 1-lb. can	$0.17
Per 6—1-lb. cans	1.00
Per case 48—1-lb. cans	6.48
Spratt's Dog Cakes, medium pkg	.40
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Clayton Dog Remedies, each	.60
Spratt's Dog Remedies, each	.60

A complete treatise on Care and Feeding Diseases and list of supplies mailed free on request.

Bird Houses and Garden Furniture

Feeding-Shelter, $1.00

A complete line of birdhouses in Birch, Bark and White Pine, 50c and up.

Table No. 331

Best Oregon dried fir, not painted. Top 24x36. Shipping weight 50 lbs. Price, $15.00.

Settee and Chair to match, $40.00.

No. 12 Bird-Bath, $12.00

Bird Baths, Jars and Urns in concrete and limestone, $2.00 and up.

All Prices on this Page F. O. B. Chicago.

Write for Illustrated Folders.

May Flowering Tulips

WINTER will soon be with us. For five months, lovers of the garden will be on a forced diet of books, magazines, radio talks and house plants. But about the first of next April the prisoners will be eligible to parole. The sun will be coming north again, and the earth will be getting soft enough to work.

Our eyes will be mighty hungry for a sight of spring flowers; but if we are going to enjoy a feast then, in our own gardens, it is necessary to look over the menu now, six months ahead of time, and make up our order. What do we want to see in April and May? Scillas, snowdrops, crocuses, to whet the appetite. Daffodils and narcissi as the entree course; but for the main treat, to celebrate the real opening of the garden season, we shall want tulips, gorgeous, stately, colorful tulips, which, if we plant enough of them, will turn May into June, by giving us a display, 30 days earlier, as fine as anything even that month of months can offer.

May-Flowering Tulips Turn May into June

A surprising proportion of home gardeners are not familiar with the May-flowering tulips. They have seen the short-stemmed early tulips, in formal beds, and their impression of the possibilities of tulips is based on that limited knowledge. The early tulips once were the most widely planted. But in the last ten years, as taste in gardening changed, the place they so well deserve has been given to the late varieties, the Darwins, Cottage and Breeders, which far surpass the earlies in height, grace, size, and above all in color.

In the Hardy Border

The Darwin, Cottage and Breeder tulips need not be separated, but may be planted together with only care for color harmony. The Darwins and Breeders blossom together, the Cottage a little later. There is some variation in season within each class. And from the earliest Darwins, among which is the beautiful rose, Ariadne (doz., $1.00; 100, $6.50), to the latest Cottage varieties, the season will last from about May 1st almost to June.

Tulips are not expensive, if one considers their long life, and the beauty of their blossons. All do excellently well when left undisturbed, in a place where they have thrived, year after year. Given a little lime, an annual dose of bone meal, with friendly perennials in the same bed as neighbors, and shallow rooted annuals planted above the bulbs themselves, tulips will settle down to a contented existence in your garden, appearing each year to delight you with their flowers.

An added month to the garden season is worth something in our climate, is it not? And the tulips add a glorious month, right where it is most appreciated, in the beginning, after the tiresome winter.

May-flowering tulips are among the oldest of cultivated flowers and have an interesting history. These late tulips include the Cottage, Darwin, Breeder, Parrot, Rembrandt, Bizarre, and Bybloemen classes. The last four mentioned are striped or blotched with very gay coloring.

Cottage and Breeder Tulips

The Darwin tulips are entirely lacking in yellows, but these are supplied by another class, known as Cottage tulips. Blossoming at the same time, these are slightly smaller, with pointed petals, and their stems are not so long. The name of the class comes from the fact that English cottage gardeners grew them for years before they were taken into commerce. The Cottage tulips may be grown with the Darwins, and with the Breeders, in the same borders, and they supply important color effects. Their colors are brighter on the whole; they have flaming scarlets, deep crimsons, and pure yellows, and also a number of delicate cream and pink shades, and some beautifully margined varieties, such as Carnation, snow-white with an edging of rose (doz., 75c; 100, $5.00), and Daybreak (doz., $1.50; 100, $10.00), violet with a golden border. Many are fragrant, such as Mrs. Moon (doz., $1.00; 100, $6.50), and Columbus (doz., $1.15; 100, $7.50).

The Breeder tulips possess a rarity and richness of coloring which grows upon the beholder. The primary colors are not found in this class; all have a blending of shades, and many have a touch of brown. There are blue blacks, bronzes, purples, mauves, dull gold and dark lilac, and coppery red among them. And there are flowers of royal hue, which have been given names one instantly sees are fitting. What could be more kingly than the Louis XIV (doz., $3.00; 100, $22.00), with its purple and dull gold? What more intoxicating than Bacchus (doz., $2.50; 100, $18.00), with its dark claret color? What more beautifully sinister than Lucifer (doz., $3.00; 100, $22.00), with its color of heated bronze? What more lovely than Violet Queen (doz., 90c; 100, $6.00), a stately ruby violet? The Breeders are rich indeed in the coppery shades which reflect the sun so vividly indoors and out, and thus have come to be recognized as the perfect accents for a color scheme. In size they are perhaps the largest of tulips, growing taller and larger than Darwins, which are next to them.

They Settle Down to a Contended Existence in your Garden

Still another class is the Parrot tulips, well named indeed, for they are as gay in coloring as the most brilliant of parrots, and have fringed petals of irregular form. They are the largest of all tulips, and have good stems, averaging fifteen inches in height. Their petals are thick and they keep well in water. There is nothing in the floral kingdom, which has such coloring, black, green, yellow, orange, scarlet, all in the same flower. But remember, be sparing with them. They are too terribly bright to overdo (mixed, doz., 60c; 100, $4.00).

If a beginner in gardening sought the flowers most certain of success, he would be directed to the fall bulbs. When planted, they are already half way to maturity. Within the bulb is a flower. Planted in the fall, the bulb begins to make root growth at once; it endures winter freezing without injury, and starts growth again in the spring.

Darwin Tulips

Pink and Rose Shades

Afterglow (26 in.) Deep orange suffused with salmon and salmon edge. Large flower of good substance and unusual coloring. Carried on a tall stately stem. Per doz., **$2.00**; 100, **$15.00.**

Baronne De La Tonnaye (26 in.) Bright rose, margined blush-rose; long, large flower, beautifully shaped. Per doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

Centenaire (30 in.) Rich violet-rose with large blue center, immense flower of perfect shape, splendid forcer. Per doz., **$1.30**; 100, **$8.50**; 1,000, **$82.00.**

Clara Butt (20 in.) Bright shrimp pink, paler edges. Perfect bloom of medium height, white base, midseason, lasts well. The best pink Darwin. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

Le Notre (27 in.) Beautiful rose shaded blush, extra early variety, very fine for indoor growing. Per doz., **$1.30**; 100, **$8.50**; 1,000, **$80.00.**

L'Ingenue (20 in.) Pale rose, shaded creamy-white; inside lit up with salmon-rose. Per doz., **90c**; 100, **$6.00**; 1,000, **$55.00.**

Massenet (25 in.) Soft apple-blossom flushed white, large flower. Per doz., **$1.30**; 100, **$8.50**; 1,000, **$80.00.**

Massachusetts (25 in.) Deep rose-banded petals with very distinct pale rose edges. Long oval blooms on strong, erect stems. Blossoms early and cut blossoms last well. Per doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Mme. Krelage (27 in.) Very similar to Massachusetts, but the central pink band is a shade lighter and blends into the pale border. Earlier than Massachusetts and tones off into lighter shades all over. Per doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Nauticus (25 in.) Glowing dark cerise, center, violet and bronze. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

Petrus Hondius (28 in.) Bright carmine-rose, the most brilliant color in Darwins. Per doz., **$1.30**; 100, **$8.50**; 1,000, **$80.00.**

Princess Elizabeth (Syn. Julie Vinot.) (26 in.) Large flower; soft rich rose toning to silvery-rose at edges. Inside deep rose, white base. Highly recommended. Per doz., **$1.35**; 100, **$9.00**; 1,000, **$85.00.**

Prof. Rawenhoff (28 in.) Cherry-rose with ivory-white and blue base. Enormous, attractive flower. Per doz., **$1.10**; 100, **$7.00**; 1,000, **$65.00.**

Psyche Soft salmon-rose, very lovely; borne on long, stiff stems. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

Sieraad Van Flora (24 in.) Bright rosy-pink flower, shaded with lilac; blue base. Very effective. Per doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

Suzon (22 in.) Pale blush pink outside, rosy-pink inside. Blue and white base. A distinct and desirable tulip as a companion to some of the dark shades. Per doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

White and Blush

Gretchen (23 in.) Pale flesh-pink, changing to light peach-pink. Large egg-shaped bloom. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

Painted Lady (27 in.) Creamy white, faint tinge of heliotrope. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

White Queen (24 in.) White, passing to pink. Per doz., **80c**; 100, **$5.50**; 1,000, **$50,00.**

DARWIN Tulips are beautifully outlined, cup-shaped and carried on tall, stiff stems. They vary in color from almost jet black, crimson and scarlet, purple to lilac, mauve, pink and indescribable intermediate blending and pastel shades. Yellow is the one color missing, but this can be supplied from the Cottage varieties listed on following pages and from the richly blended Breeders, varieties may be chosen which will increase the effectiveness of a planting of the pastel tints so prevalent among the Darwins.

Planting. Plant four or five inches deep and six inches apart in raised beds or borders so that the bulbs are slightly above the level of adjacent lawn or walks. In preparing the ground, use Vaughan's Rosegrower Bonemeal (three handfuls to a square yard), thoroughly mixed through the soil.

Parcel Post. If you wish bulbs sent by parcel post, add to our prices, postage at zone rates from Chicago or New York (see page 48) counting twelve bulbs as one pound, fifty as four pounds;

Shades of Red

Ariadne (28 in.) Brilliant rosy-crimson, shaded scarlet with blue base, large flower of great substance. One of the finest. Good forcer. Per doz., **$1.00**; 100, **$6.50**; 1,000, **$60.00.**

Bartigon (22 in.) Large flowers of fiery crimson with bright scarlet margin. One of the best of its color. Per doz., **$1.00**; 100, **$6.50**; 1,000, **$60.00.**

Europe (22 in.) Glowing salmon-scarlet, shaded rose; well formed globular flower, erect grower and lasts well. Per doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Farncombe Sanders (25 in.) Fiery rose, scarlet, inside vivid cerise-scarlet with white center marked blue; flowers perfect shape. Per doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Feu Brilliant (25 in.) Glowing vermilion, blue and white base. Per doz., **$1.30**; 100, **$8.50**; 1,000, **$80.00.**

Glow (23 in.) Brilliant glowing vermilion, white and blue base. Per doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Harry Veitch (24 in.) Brilliant blood-red with slightly lighter margin; blue base. Immense blooms on stout stems. An extremely brilliant color that lasts well. Per doz. **80c**; 100, **$5.50**; 1,000, **$50.00.**

Isis Fiery crimson-scarlet with blue base. Per doz., **$1.00**; 100, **$6.50**; 1,000 **$60.00.**

King Harold (24 in.) Deep purple-red with white base, a beautiful variety for the garden, standing the weather well, good forcer. Per doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

Pride of Haarlem (28 in.) Bright rose suffused with purple; an enormous flower unsurpassed for groups because of its fine color and stately habit. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

William Pitt (22 in.) Very dark scarlet with purple shade on the outer petals; large flower. Per doz., **$1.40**; 100, **$9.50**; 1,000, **$90.00.**

Mixture of Darwin Tulips

Special Mixture, made up by ourselves from best distinct kinds. Per doz., 70c; 100, $4.50; 1000, $40.00.

Regular Mixture, splendid value for mixed beds and cutting. Per doz., 50c; 100, $3.25; 1000, $30.00.

Violet, Black and Shades of Purple

Dream (25 in.) Pale violet changing to lavender, with lighter edge, clear blue base. Early and keeps its color. Per doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

Euterpe (28 in.) Silvery lavender, edged pale lilac. Base white and blue. A long flower of beautiful shape, the finest lavender to plant with the bronze Breeder Tulips, excellent for forcing. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

Faust (30 in.) Dark satiny purple with blue base, very large and well formed, good forcer. Per doz., **90c**; 100, **$6.00**; 1,000, **$55.00.**

Frans Hals (28 in.) Large blue-violet flowers, extra, very good forcer. Per doz., **$1.10**; 100, **$7.00**; 1,000, **$65.00.**

La Tulipe Noire Nearest of all to the black color. Per doz., **90c**; 100, **$6.00**; 1,000, **$55.00.**

La Tristesse (Dolores) (25 in.) Slaty-mauve with silvery margin and a violet and bronze reverse. A splendid contrast with the yellow Cottage Tulips. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

Mrs. Potter Palmer (26 in.) Deep reddish-purple, with dark blue base. A striking and distinct tulip. Per doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

Philippe de Commines Velvety dark violet. Per doz., **75c**; 100, **$4.50**; 1,000, **$40.00.**

Rev. H. Ewbank (20 in.) Deep lilac, toning at the edges to pale lavender. Lighter in color and not so tall as Dream, white base. Distinct flat open flower. Lasts well. Most popular of this shade. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

The Sultan (24 in.) Deep maroon-black, brownish margin. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

William Copland Syn. Sweet Lavender. The best Darwin Tulip for forcing. It may be grown in the house as easily as the early Tulips. Also fine for the border. When grown outside, color is rosy-lilac. When forced, color is beautiful lavender. Per doz., **90c**; 100, **$6.00**; 1,000, **$55.00.**

Zulu (27 in.) Rich, velvety, purple-black; large cup-shaped flower. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00.**

THE DARWIN TYPE

Cottage Tulips

Yellow and Striped Shades

Avis Kennicott (24 in.) Long pointed bloom of pure yellow, edges of petals slightly frilled. Per doz., $1.30; 100, $8.50; 1,000, $80.00.

***Bouton d' Or** (16 in.) Round shapely blooms of the purest gold. Good for massing in beds or borders and very fine for vases when cut. Per doz., 70e; 100, $4.50; 1,000, $40.00.

***Columbus** (Gala Beauty.) (18 in.) Medium pointed blooms of rich golden-yellow, feathered and splashed with intense glowing scarlet. Sweet-scented. A delightful combination of color, distinct from all others. Per doz., $1.15; 100, $7.50; 1,000, $70.00.

Ellen Willmott (20 in.) Long pointed bloom of pale primrose-yellow, edged golden-yellow. Sweet-scented. Per doz., 75e; 100, $5.00; 1,000, $45.00.

***Gesneriana Lutea** (20 in.) A very shapely bloom of the purest yellow; distinctly sweet scented. One of the best yellow tulips in existence for color and perfume. Per doz., 70e; 100, $4.50; 1,000, $40.00.

Inglescombe Yellow (18 in.) A fine, large, globe-shaped flower, color full rich yellow; sometimes called the Yellow Darwin. Per doz., 75e; 100, $5.00; 1,000, $45.00.

***Parisian Yellow** (22 in.) Large, handsome clear yellow flowers, borne on long stems. Fine for cutting. Per doz., 70e; 100, $4.50; 1,000, $40.00.

***Ixioides** (18 in.) Pure lemon-yellow, very distinct, pointed bloom similar to Ges. Lutea Pallida, but has a jet black base. When fully open, resembles a giant Ixia, from which it derives its name. Late and lasts. Per doz., 90c; 100, $6.00; 1,000, $55.00.

Mrs. Moon (30 in.) This is beyond doubt the finest late yellow tulip in existence. The blooms are long and pointed, the outer petals reflexed. Distinctly perfumed. Highly recommended for large beds and borders. Per doz. $1.00; 100, $6.50; 1,000, $60.00.

Moonlight (20 in.) Oblong blossoms of delicate pale yellow. Very distinct. Plant in semi-shade. Per doz., 75e; 100, $5.00; 1,000, $45.00.

Retroflexa (16 in.) This is quite a distinct and charming type. Large pale yellow flowers, with pointed petals, elegantly recurved. Per doz., 70e; 100, $4.50; 1,000, $40.00.

Yellow Picotee (20 in.) Pure yellow, margined crimson, becoming splashed and feathered with crimson at maturity. Large flower. Per doz., $1.15; 100, $7.50; 1,000, $70.00.

Pink and Rose Shades

Carnation The old English Picotee. Snow-white, changing to carmine-rose, exquisitely beautiful. Per doz, 75e; 100, $5.00; 1,000, $45.00.

***Inglescombe Pink** (24 in.) Beautiful clear pink with amber tinge inside, later becoming pure pink. Per doz., 70e; 100, $4.50; 1,000, $40.00.

***Isabella (Shannon Bells)** (15 in.) A beautiful variety with large handsome flowers. Color primrose, flushed rose, changing to rosy-red. Per doz., 70c; 100, $4.50; 1,000, $40.00.

Maiden's Blush (Picotee) (20 in.) A long-shaped flower, pure white recurved petals, margined rose. Per doz. 70e; 100, $4.50; 1,000, $40.00.

As with the Darwin and Breeder types, the classification of Cottage tulips is by race and history, rather than any striking difference in appearance. This type is inclined to have pointed petals, sometimes turned back, and the blossom to be smaller and more slender. But they harmonize perfectly with the Darwins and Breeders and supply a quality of clear, bright color which these lack; while they have pure yellows not found in the others.

Every known shade is to befound among these, from deepest crimson, to bright red, orange, glorious yellows, pink and a host of delicate tints of yellow, pink cream and heliotrope. They blossom a few days later than the Darwins, often carrying the flowering period of Spring bulbs into the early days of June, especially if planted in a shady position. Many sweet-scented varieties are included, such as Ges. Lutea, G. Lutea Pallida and Mrs. Moon.

***For Pots.** When grown in pots, these, like the Darwin tulips, can be had in flower indoors during March and April, in a temperature not exceeding 55 degrees. Those best suited for growing in this way are marked.*

Parcel Post. Count twelve bulbs to one pound, fifty to four pounds; one hundred as seven pounds. Larger numbers are sent by express.

Reflexed, Pointed Petals Characterize the Cottage Type

*Vaughan's Special Mixture Cottage Tulips

AN excellent collection of named varieties, giving a dazzling display in mass. Splendid for cutting. Per doz., 60c; 100, $4.00; 1000, $35 00.

Regular mixed. Per doz., 50e; 100, $3.25; 1000, $30.00.

Scarlet and Red Shades

***Caledonia** (20 in.) Beautiful globe-shaped flower of a bright orange color. Splendid, planted with a deep red. Per doz., 60e; 100, $4.00; 1,000, $35.00.

Elegans (16 in.) Dark crimson, reflexed petals. Very early. Per doz., 75e; 100, $5.00; 1,000, $45.00.

Grenadier (24 in.) Brilliant orange-red. A new Tulip of great beauty. Flowers long, borne on very graceful stems. Per doz., $1.15; 100, $7.00; 1,000, $65.00.

Gesneriana Major (Spathulata Maj.) (24 in.) Rich crimson-scarlet, with blue basal blotch. One of the best of its color for large plantings especially in combination with yellow or white. Per doz., 75c; 100, $5.00; 1,000, $45.00.

Gesneriana "Orange Globe" (22 in.) Rich crimson-scarlet, shading to orange. A grand contrast with Gesneriana Lutea Pallida. Per doz., 70e; 100, $4.50; 1,000, $40.00.

Glare of the Garden (18 in.) Large egg-shaped blooms of rich velvety crimson, with black and gold base. Pronounced the finest of all late crimson tulips. Per doz., 90c; 100, $6.00; 1,000, $55.00.

Hammer Hales Rich mahogany-brown, edged orange. Per doz., $1.30; 100, $8.50; 1,000, $80.00.

Inglescombe Scarlet (16 in.) Brilliant vermilion with a black base. One of the best reds. Per doz., 75e; 100, $5.00; 1,000, $45.00.

John Ruskin Large egg-shaped bloom of graceful form and habit. Flowers salmon-rose with pale yellow margin; inside heliotrope with golden border and base. One of the choicest in this list. Per doz., $1.00; 100, $6.50; 1,000, $60.00.

***La Merveille** (20 in.) Extra large fragrant flower, suffused with apricot-orange. Per doz., 70e; 100, $4.50; 1,000, $40.00.

***Scarlet Emperor** (24 in.) Brilliant glowing scarlet. Flowers of gigantic size, cup-shaped, with clear yellow base. (Awarded 1st-class certificate R. H. S. England.) Per doz., $1.15; 100, $7.50; 1,000, $70.00.

Bronze, Fawn, Lilac and White

Daybreak (18 in.) Violet with large yellow border. Per doz., $1.50; 100, $10.00; 1,000, $95.00.

***Fairy Queen** (20 in.) Oblong blooms of rosy-heliotrope blending into a golden-yellow at the edges of petals. Very distinct. One of the most beautiful of all. Per doz., 70c; 100, $4.50; 1,000, $40.00.

Norham Beauty (18 in.) Purplish lilac, shading to a bronzy yellow edge; very attractive and distinct. Per doz., 70c; 100, $4.50; 1,000, $40.00.

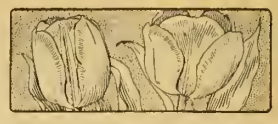
***Parisian White** (14 in.) Pure white, edged silvery-pink, beautiful globe-shaped flowers. Per doz., 70e; 100, $4.50; 1,000, $40.00.

Royal White Pure white, yellow center, large flower. Per doz., $1.00; 100, $6.50; 1,000, $60.00.

The Fawn (20 in.) Egg-shaped bloom of yellowish fawn color, blended with pale rosy-lavender and blush-pink margin. One of the prettiest of all late tulips. Per doz., 70c; 100, $4.50; 1,000, $40.00.

Union Jack Light violet feathered purple with white markings Very odd. Per doz., $1.25; 100, $8.00; 1000, $75.00.

Breeder Tulips



Apricot (24 in.) Bronze shaded Apricot, olive base, large flower. Per doz., **$1.25**; 100, **$8.00**; 1,000, **$75.00**.

Attraction Light bluish violet, inside glowing purple white base. Per doz., **$1.40**; 100, **$9.50**; 1,000, **$90.00**.

Bacchus (28 in.) Dark violet-blue, very large flower, very handsome. Per doz., **$2.50**; 100, **$18.00**.

Bronze Queen (28 in.) Soft buff, inside tinged golden-bronze, good forcer. Per doz., **80c**; 100, **$5.50**; 1,000, **$50.00**.

Cardinal Manning (28 in.) Wine-red flushed rosy-brown. Per doz., 90c; 100, **$6.00**; 1,000, **$55.00**.

Coridion (24 in.) Clear yellow, very distinct. Per doz., **$1.75**; 100, **$12.00**; 1,000, **$110.00**.

Don Pedro A beautiful shade coffee-brown shaded maroon, inside rich mahogany. Per doz., **$1.40**; 100, **$9.50**; 1,000, **$90.00**.

Feu Ardent (24 in.) Brilliant fiery red, good forcer. Per doz., **$1.75**; 100, **$12.00**.

Garibaldi Light brown, suffused with lilac with broad edge of soft yellow inside light bronze pointed petal. Per doz., **$2.75**; 100, **$20.00**; 1,000, **$175.00**.

General Ney (25 in.) Old gold with olive. Large flower. Per doz., **$1.10**; 100, **$7.00**; 1,000, **$65.00**.

Godet Parfait (30 in.) Bright violet, with white base, very large flower. Per doz., **$1.60**; 100 **$11.00**; 1,000, **$100.00**.

Golden Bronze (24 in.) Beautiful bronzy-yellow, good forcer. Per doz., **$1.00**; 100, **$6.50**; 1,000, **$60.00**.

James Watt (25 in.) Brownish black edged bronze. Very large and beautiful. Doz., **$3.00**; 100, **$22.00**; 1,000, **$180.00**.

Jaune d'Oeuf (26 in.) Outside orange-red, inside orange, good forcer. Per doz., **$1.00**; 100, **$6.50**; 1,000, **$60.00**.

Le Mogol (26 in.) Clear lilac, flushed white. Per doz., **$1.00**; 100, **$6.50**; 1,000, **$60.00**.

BREEDER tulips are closer to the parent type of this ancient flower than others. The origin of the tulip is hidden in the dim past. But we know that the Dutch fanciers who in 1634 to 1637 speculated in new varieties during the reign of **tulipomania** grew the "mother bulbs," or Breeder tulips, to produce new striped varieties by "breaking." The Darwin race is supposed to have developed from the Breeders. For a long time the dark, rich colors of the latter were neglected in favor of the brighter, and clearer tones of the other types. But recently taste has changed, and the richly hued Breeders have come into favor.

They blossom in May, and though not so tall, perhaps, produce as a rule, even larger blossoms than the Darwins. The colors include many rare among flowers—browns, bronzes purples, blue-blacks, deep mauves, dull gold and dark lilac all exquisitely blended.

Planting. Plant the same as Darwins. Parcel post weights are also the same.

Vaughan's Special Mixture of Breeder Tulips

An excellent collection of this popular class of Tulips, including many rare colors. Per doz., 70c; 100, $4.50; 1000, $40.00.

Louis XIV (16 in.) An immense flower, rich purple, with golden bronze margin; inside bronzy-purple. A gigantic and very handsome tulip. Per doz., **$3.00**; 100, **$22.00**.

Lucifer (18 in.) Bright terra-cotta-orange. Very large. Per doz., **$3.00**; 100, **$22.00**.

Madame Lethierry (26 in.) Salmon, very handsome. Per doz., **$1.25**; 100, **$8.00**; 1,000, **$75.00**.

Marie Louise Rose flushed with yellow. A pleasing combination of colors. Per doz., **$1.40**; 100, **$9.50**; 1,000, **$90.00**.

Panorama (Fairy) (26 in.) Reddish, mahogany, good forcer. Per doz., **$1.15**; 100, **$7.50**; 1,000, **$70.00**.

Plutarchus (26 in.) Bronze, shaded at base with terra-cotta, a very handsome tulip. Per doz., **$1.10**; 100, **$7.00**; 1,000, **$65.00**.

Prince of Orange Orange-scarlet edged light yellow, flower of striking beauty. Per doz., **$1.35**; 100, **$9.00**; 1,000, **$85.00**.

Queen Alexandria (23 in.) A beautiful new late tulip with a very elegant shaped flower, soft sulphur-yellow with black anthers. Per doz., 90c; 100, **$6.00**; 1000, **$55.00**.

St. James (28 in.) Dark rosy lilac, edged bronzy tan, with coppery rose flush at tips of petals; inside ruddy mahogany, edged golden brown with yellow and green base. A large flower on tall stem. Doz., **$2.75**; 100, **$20.00**; 1,000 **$175.00**.

Samson (25 in.) Violet, bronze bordered, good forcer. Per doz., **$1.00**; 100, **$6.50**; 1,000, **$60.00**.

Superba (27 in.) Shining velvet-black, brown tinted. Per doz., **$1.10**; 100, **$7.00**; 1,000, **$65.00**.

Turenne (25 in.) A remarkably fine tulip of rich purple, broadly margined amber. Inside brownish-yellow. Per doz., **$1.30**; 100, **$8.50**; 1,000, **$80.00**.

Velvet King (21 in.) Crimson-maroon, reflecting a purplish "bloom;" deep crimson inside. Creamery-white base. Rounded petals. Distinct in color and shape from Zulu. Very fine. Per doz., **$1.60**; 100, **$11.00**; 1,000, **$100.00**.

Violet Queen Large ruby-violet of stately habit. Per doz., **90c**; 100, **$6.00**; 1,000, **$55.00**.

Yellow Perfection (24 in.) Light bronze-yellow. Per doz., **$1.15**; 100, **$7.50**; 1,000, **$70.00**.

Vulcain (25 in.) Reddish apricot, with broad margin of bright buff-yellow, inside dark apricot edged yellow, with dark green base starred yellow. A flower of splendid form and in color unlike any other Tulip. Per doz., **$2.75**; 100, **$20.00**; 1,000, **$175.00**.

Striped and Parrot Tulips

Striped Tulips

THOUGH too gay for modern taste to serve in large plantations, the old-fashioned striped tulips are beautiful. They prove that the Dutch tulipomania was not without excuse, and no gardener who wishes his collection to be representative will be without some specimens.

For indoor decoration a few of these truly beautiful and unquestionably striking flowers will be found most welcome. Particularly in May, when they blossom, will their contrasted shades be welcome both indoors and out. **Culture,** same as for Darwin's.

Parcel Post. Count 12 bulbs as one pound, and add postage at zone rates. (See page 48).

Bizarres Mixed. Flowers beautifully blotched, striped and feathered with crimson, pink, scarlet, rose, lilac and purple on yellow ground. Per doz., **70c**; 100, **$4.50**; 1,000, **$40.00**.

Bybloemens Mixed. White ground, blotched, striped or feathered with lilac, purple, violet, blue. Per doz., **70c**; 100 **$4.50**; 1,000, **$40.00**.

The Parrot Type is Beautiful

Parrot Tulips

THEIR fringed and corrugated petals with their wonderful variation make these old-fashioned flowers the most curious of all tulips. Flowering at the same time as other late sorts; they are entirely distinct from any other; the flowers are thick-petaled with extra long stems, and keep extremely well after being cut. The average height is 15 inches.

Admiral de Constantinople Red, tipped orange. Per doz., **70c**; 100, **$4.50**; 1,000, **$42.00**.

Lutea Major Bright yellow; large. Per doz **70c**; 100, **$4.50**, 1,000, **$42.00**.

Markgrave Yellow, striped scarlet and green. Per doz., **70c**; 100, **$4.50**; 1,000, **$42.00**.

Perfecta Yellow striped red. Per doz., **70c**; 100, **$4.50**; 1,000, **$42.00**.

Couleur Cafe Brown and yellow. Per doz., **70c**; 100, **$4.50**; 1,000, **$42.00**.

Cramoisie Brilliant Deep crimson with large black center. Per doz., **70c**; 100, **$4.50**; 1,000, **$42.00**.

Gloriosa Red and yellow. Per doz., **70c**; 100, **$4.50**; 1,000, **$42.00**.

Mixed Superfine Per doz., **60c**; 100, **$4.00**; 1,000, **$35.00**.

Rembrandt Tulips

Apollo Lilac rose and white striped dark carmine. Doz., $1.30; 100, $8.50; 1000, $80.00.

Julienne Rose, striped and feathered carmine-purple and white. Edges of petals broadly blotched white. Doz., $1.35; 100, $9.00; 1000, $85.00.

Red Prince Rose-flamed fiery red. Doz., $1.30; 100, $8.50; 1000 $80.00.

Semele White, heavily striped and feathered vivid rosy-pink. Large, of exquisite coloring. Doz., $1.30; 100, $8.50; 1000, $80.00.

Vesta Lilac, striped and flamed dark carmine. Doz., $1.35; 100, $9.00; 1000, $85.00.

Zenobia Amaranth and white, feathered brilliant brown. Doz., $1.35; 100, $9.00; 1000, $85.00.

REMBRANDT Tulips are in reality "broken" forms of Darwin Tulips. Broken Tulips, on account of their odd colorings and variegations, were very popular at one time, and while the modern tendency to favor self-colors is recognized generally throughout all countries, these broken forms possess splendid decorative value. The stems average from 18 to 22 inches in height.

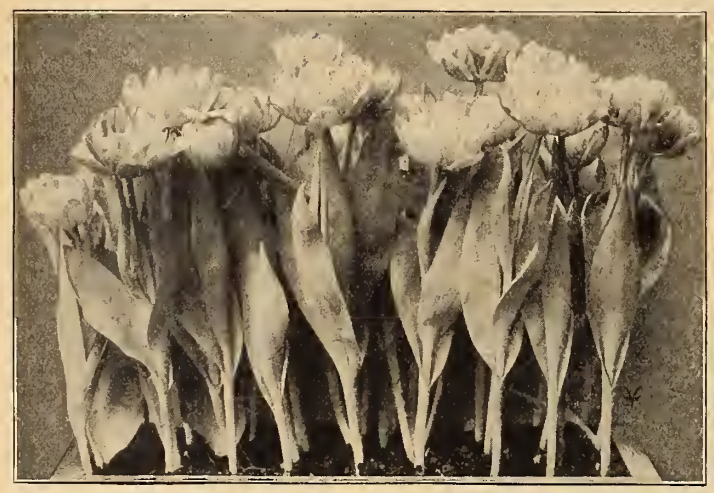
Extra Fine Mixed

Doz., 80c; 100, $5.50; 1,000 $50.00.

A Splendid Late Double Tulip

Bleu Celeste (Blue Flag) Blooming in May with the Cottage Tulips, this magnificent variety makes a wonderful showing in the herbaceous border, or in the partial shade of low shrubs. The blooms are large and very double (resembling a good double peony), a delightful shade of pale bluish-purple and are borne on long stems, making them splendid decorative flowers. Per doz., 80c; 100, $5.50; 1,000, $50.00.

Double Early-Flowering Tulips



COURONNE d'OR

MURILLO

Double Yellow

Brimstone Beauty 12b, yellow and apricot. Per doz., 90c; 100, $6.00; 1,000, $55.00.

Couronne d'Or (Crown of Gold) 10a, beautiful rich, golden-yellow. Per doz., 90c; 100, $6.00; 1,000, $55.00.

Mr. Van der Hoef A yellow sport of Murillo with all its superb qualities. One of the very finest of the primrose-yellow Double Tulips. A very lovely flower. Per doz., $1.35; 100, $9.00; 1,000, $85.00.

Double Red

Imperator Rubrorum 9a, bright scarlet. Per doz., $1.25; 100, $8.00; 1,000, $75.00.

Le Matador 12c, scarlet with purple glow Per doz., $1.00; 100, $6.50; 1,000, $60.00.

Rubra Maxima 8b, dazzling scarlet. Per doz., 80c; 100, $5.50; 1,000, $50.00.

Toreador Reddish-orange and yellow. Per doz., $1.40; 100, $9.50; 1,000, $90.00.

Vuurbaak 9b, bright scarlet, suffused orange. Per doz., $1.25; 100, $8.00; 1,000, $75.00.

Double White

Boule de Niege 10b, pure white. Per doz., $1.00; 100, $6.50; 1,000, $60.00.

La Grandesse 12b, blush-white. Per doz., 90c; 100, $6.00; 1,000, $55.00.

Schoonoord (White Murillo) 12b, pure white. Extra fine. Per doz., $1.00; 100, $6.50; 1,000, $60.00.

THERE is a distinct revival of the popularity of double tulips. Coming a little later than the singles, they last much longer, and where the single and doublé are planted together the season of flowering is prolonged from two to three weeks. The double tulips require a soil more fertile than the singles for perfection of blossoms; and where well grown their mammoth peony-like flowers of delicate or brilliant coloring are most effective either in groups in the border, or in formal beds. The double tulips do very well when grown in pots for winter blooming, but they must be forced more slowly than the single tulips.

Explanatory. The number following the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late.

Parcel Post. 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at zone rates on page 48.

Vaughan's Special Mixture

Made from the best named varieties that will bloom about the same time, and of about the same height. Do not compare this mixture with regular mixtures which are made up by the Holland growers. Per doz., 80c; 100, $5.50; 1,000, $50.00.

Extra Fine Double Mixed

Per doz., 70c; 100, $4.50; 1,000, $40.00

Double Pink

Lac Von Haarlem 12c, rosy-violet. Per doz., $1.25; 100, $8.00; 1,000, $75.00.

Lord Roseberry 10b, light pink. Per doz., 75c; 100, $5.00; 1,000, $45.00.

Lucretia 14b, deep rose. Per doz., 80c; 100, $5.50; 1,000, $50.00.

Murillo 7a (fancy), large pink, suffused white. Per doz., 75c; 100, $5.00; 1,000, $45.00.

Peach Blossom 8a. deep rosy-pink, deepening with age to a deep rose. A very fine flower with a wonderful color. A new variety of superb quality. Per doz., $1.50; 100, $10.00; 1,000, $95.00.

Rose D'Amour 10b, medium size of blush pink changing to deeper rose pink when fully developed. Per doz., $1.00; 100, $6.50; 1,000, $60.00.

Salvator Rosa 8a, beautiful rose, fine forcer. Per doz., 95c; 100, $6.25. 1,000, $58.00.

Double Striped or Otherwise Colored

Gloria Solis 9a, bright scarlet, yellow border. Per doz., 75c; 100, $5.00; 1,000, $45.00.

Titian 8b, scarlet edged yellow. Per doz., $1.00; 100, $6.50; 1,000, $60.00.

Tournesol 8a, Red and yellow. very showy, Per doz., $1.00; 100, $6.50; 1,000 $60.00.

Single Early Tulips

Couleur Cardinal

BECAUSE of the uniformity of their height, and their upright, short stems, early tulips lend themselves to formal bedding, and in parkways, court-yards and similar locations, serve to herald the arrival of spring with the season's first display of bright color.

Explanatory. The number following the name of the variety denotes the height in inches, while the (a) and (b) indicate their earliness of bloom—the (a's) flower together and are earliest; the (b's) flower together, but are somewhat late. The Duc Van Thol Tulips should be used for pots only.

Parcel Post. 12 bulbs weigh 1 lb.; 50, 4 lbs.; 100, 7 lbs. Add postage at zone rates.

Single White

La Reine 8b, white, shaded rose. Per doz., 70c; 100, $4.50, 1,000, $40.00.

Pottebakker White 9a, pure white. Per doz., 90c; 100, $6.00; 1,000, $55.00.

Princess Helena 10a, pure white. Per doz., 75c; 100, $5.00; 1,000, $45.00.

Von Vondel 8b, pure white, splendid. Per doz., 80c; 100, $5.50; 1,000, $50.00.

White Swan 15b, pure white. Per doz., 70c; 100, $4.50; 1,000, $40.00.

White Hawk 7a, white; very fine. Per doz., 90c; 100, $6.00; 1,000, $55.00.

Single Scarlet and Crimson

Artus 7b, a splendid deep scarlet. Per doz., 70c; 100, $4.50; 1,000, $40.00.

Belle Alliance 8b, brilliant scarlet. Per doz., 80c; 100, $5.50; 1,000, $50.00.

Brilliant Star 8a, bright glowing scarlet; very early. Per doz., $1.25; 100, $8.00; 1,000, $75.00.

Couleur Cardinal 8a, crimson. Per doz., $1.15; 100, $7.50; 1,000, $70.00.

Cramoisi Brilliant 7b, bright scarlet. Per doz., 70c; 100, $4.50; 1,000, $40.00.

Vermilion Brilliant 7b, dazzling vermilion-scarlet, fine for pots. Per doz., $1.15; 100, $7.50; 1,000, $70.00.

Single Pink and Rose

Flamingo 8a, carmine-rose and white. Per doz., $1.00; 100, $6.50; 1,000, $60.00.

Ibis 14b, quite the finest novelty offered by us this year. A brilliant dark pink color when grown indoors. A grand exhibition variety. Per doz., $1.30; 100, $8.50; 1,000, $80.00.

McKinley Inside orange-red; outside rosy-red shaded orange; unique and very bright color. Per doz., 90c; 100, $6.00; 1,000, $55.00.

Mme. Frylink 8b, very fine pink. Per doz. $1.00; 100, $6.50; 1,000, $60.00.

Queen of the Netherlands 10a, pale pink. Per doz., 75c; 100, $5.00; 1,000, $45.00.

Pink Beauty 12b, bright rose-pink shading to blush-white. Per doz., $1.50; 100, $10.00; 1,000, $95.00.

Proserpine 9a, glossy pink, early. Per doz., $1.30; 100, $9.00; 1,000, $85.00.

Prosperity Fine pink. Per doz., 80c; 100, $5.50; 1,000, $50.00.

Rose Gris de Lin 7b, delicate rose, flushed white. Per doz., 75c; 100, $5.00; 1,000, $45.00.

Rose Luisante 7b, brilliant deep pink. Per doz., $1.15; 100, $7.50; 1,000, $70.00.

Vaughan's New Pink 8a, pink, shaded white. Per doz., 90c; 100, $6.00; 1,000, $55.00.

Single Yellow

Chrysolora 8b, golden-yellow; fine bedder. Per doz., 80c; 100, $5.50; 1,000. $50.00.

Fred Moore 10b, deep orange, edged yellow. Per doz., 80c; 100, $5.50; 1,000, $50.00.

Gold Finch 7a, pure yellow, sweet-scented Per doz., 80c; 100, $5.50; 1,000, $50.00.

King of Yellows 9a, deep golden-yellow. Per doz., 80c; 100, $5.50; 1,000, $50.00.

Mon Tresor 7a, pure yellow; large cup. Per doz., $1.10; 100, $7.00; 1,000, $65.00.

Rising Sun Per doz., $1.10; 100, $7.00; 1,000, $65.00.

Yellow Prince 8a, golden-yellow, fine forcer. Per doz., 80c; 100, $5.50; 1,000, $50.00.

Striped Margined or Otherwise

Duchesse de Parma 9b, orange-scarlet, yellow edge. Per doz., $1.00; 100, $6.50; 1,000, $60.00.

Duc de Berlin 6a, clear scarlet, edged yellow. Per doz., 80c; 100, $5.50; 1,000, $50.00.

De Wet 10a, beautiful deep orange, shaded golden-yellow at the base of the petals. A very fragrant flower and one of the finest newer sorts in cultivation. There is no other orange variety which equals it in brilliancy. It is therefore one of the showiest bedders, and as it forces splendidly we can recommend it for all purposes. Per doz., $2.25; 100, $17.00.

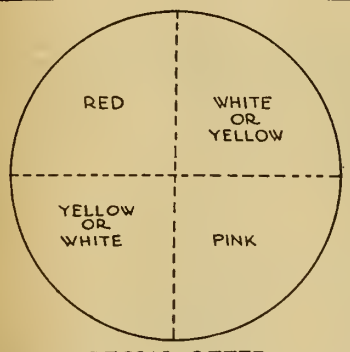
Grand Duke (Keizerskroon) 10b, red with distinct wide golden border, one of the finest. Per doz.,; $1.30 100, $8.50; 1,000, $80.00.

Prince of Austria 8a, orange-vermilion. Per doz., $1.00; 100, $6.50; 1,000, $60.00.

President Lincoln 8b, light violet. Per doz., 80c; 100, $5.50; 1,000, $50.00.

Thomas Moore 7b, apricot-orange. Per doz., 70c; 100, $4.50; 1,000, $40.00.

Wouverman 7b, dark violet. Per doz., 75c; 100, $5.00; 1,000, $45.00.



SPECIAL OFFER

SINGLE TULIP BEDS— Early Flowering

We can furnish at a special price, bulbs for circular beds in four colors, varieties to be our selection. Shallow-rooted plants can be grown in these beds without removing the tulips, except once in three years. For planting in parkways these beds are ideal. Plant the bulbs either 4 or 6 inches apart.

For 3-ft. bed planted 4 in. apart, 96 tulips, 24 each, red, white, yellow and pink **$4.00**, postpaid.

For 3-ft. bed planted 6 in. apart, 36 tulips, 9 each, red, white, yellow and pink, **$1.50**, postpaid.

For 4-ft. bed planted 4 in. apart, 128 tulips, 32 each, red, white, yellow and pink, **$5.00**, postpaid.

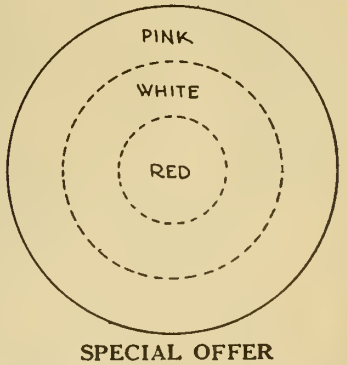
For 4-ft. bed, planted 6 in. apart, 60 tulips, 15 each, red, white, yellow and pink, **$2.25**, postpaid.

Single Early Mixed

Per doz., 50c; 100, $3.25; 1000, $30.00

Vaughan's Special Single Mixed

Per doz., 70c; 100, $4.50; 1,000 $40.00



SPECIAL OFFER

DOUBLE TULIP BEDS— Early Flowering

We can furnish at a special price bulbs for circular beds in three colors, varieties to be our selection. Shallow-rooted plants can be grown in these beds without removing the tulips, except once in three years. For planting in parkways these beds are ideal. Plant the bulbs either 4 or 6 inches apart.

For 3-ft. bed, planted 4 in. apart, 96 tulips, 32 each, pink, white and red, **$5.00**, postpaid.

For 3-ft. bed, planted 6 in. apart, 36 tulips, 12 each, pink, white and red, **$2.00**, postpaid.

For 4-ft. bed, planted 4 in. apart, 126 tulips, 42 each, pink, white and red, **$6.00**, postpaid.

For 4-ft. bed, planted 6 in. apart, 60 tulips, 20 each, pink, white and red, **$3.00**, postpaid.

Daffodils and Narcissi

ALL varieties of narcissi, including both the tender, water-flowering Paper Whites (see page 6) and the hardy daffodils which are the first of the major flowers to brighten our gardens each spring, will be barred from import into the United States after January 1, 1926, by order of the Federal Horticultural Board.

Whatever our opinion of this decree of the Board, the present outlook is that it will be enforced; and there is no commercial production of narcissi in this country. Gardeners should be warned, therefore, and obtain bulbs while it is still time. All that we offer in the pages that follow except where distinctly stated otherwise, are hardy; and will last for years. Naturalized, the Leedsii, Poeticus and Incomparabilis classes will oftentimes increase.

The yellow large trumpets like a fairly heavy soil, while the white trumpets and Leedsii take more kindly to a sandy soil. It is not necessary to move narcissi until the planting becomes evidently crowded; and when this time comes they should be replanted at once. August and early September is the best time for this. Daffodils should never be planted in round beds, although they do admirably for oblong borders along paths or in front of shrubbery.

Do not use fresh manure, but fertilize only with bone meal. Plant the bulbs six inches deep and the same distance apart in a deep, well worked soil.

Parcel Post. Large bulbs weigh 12 to 1½ pounds; 50 to 5 pounds. Mammoth bulbs, 12 to 3 pounds; 100 to 18 pounds. Price "each" includes postage. For others, add postage at zone rates.

VAN WAVEREN'S GIANT—LARGEST OF ALL TRUMPETS.

Large Trumpets All Yellow

Van Waveren's Giant The largest of all trumpets, perianth primrose, trumpet bright orange-yellow. Per doz., $3.50; 100, $25.00.

Emperor A magnificent sort. The entire flower is a rich yellow; trumpet of immense size and petals so broad that they overlap. Three of these bulbs planted in a 6-inch pot will make a splendid show. Large bulbs, per doz., $1.15; 100, $7.50; 1,000, $70.00. Mammoth bulbs, per doz., $1.50; 100, $10.00; 1,000, $95.00.

Glory of Leiden Immense flowers of majestic appearance; very long, fluted trumpet, rich golden-yellow; the perianth segments are very broad, and overlapping; this variety deserves first place in any Narcissus collection. Mammoth bulbs, per doz., $1.35; 100, $9.00; 1,000, $85.00.

Golden Spur A tall, vigorous, golden-yellow flower, with healthy green foliage. Fine for beds or pots. Very early. Large bulbs, per doz., $1.00; 100, $6.50; 1,000, $60.00. Mother bulbs, per doz., $1.40; 100, $9.50; 1,000, $90.00.

King Alfred "The King of Yellow Daffodils." Tall, vigorous, golden-yellow flower, of elegant form. The expanded trumpet measures 2½ inches in diameter, the perianth proportionately large and segments gracefully twisted. Height, 24 inches. Mammoth bulbs, per doz., $3.00; 100, $22.00.

Minister Talma Flowers are bright yellow with a large open trumpet, deeply filled at brim and are thrown well above the erect foliage. Early forcer. Per doz., $1.75; 100, $12.00.

Olympia A giant flower rivaling Van Waveren's giant in size; sulphur-yellow perianth, handsome yellow frilled trumpet. Per doz., $3.00; 100, $22.00.

White or Cream

WHITE perianths with white or sulphur trumpets, which change to white as the flowers mature. They make a pleasing contrast with the yellow and bicolor types.

Mme. De Graaff The grandest of white daffodils. Broad white overlapping perianth segments, with cream trumpet, changing to white, beautifully expanded and rolled back. Per doz., $1.50; 100, $10.00; 1,000, $95.00.

Mrs. Thompson Large and handsome, appears primrose, changing with age to pure white. A strong grower, early and free bloomer. Per doz., 80c; 100, $5.50; 1,000, $50.00.

Bicolor

THESE splendid flowers have white or cream perianth segments with primrose or deep yellow trumpets. They are valuable for cut flowers as well as in the border.

Parcel Post. Weights, same as above.

Duke of Bedford (New) A bicolor of massive proportions; perianth pure white, 4½ inches across, with large expanding clear yellow trumpet. Per doz., $4.50; $100, $30.00.

Glory of Noordwijk Agrand bicolor, large yellow trumpet, petals sulphur-yellow. Per doz., $1.40; 100, $9.50; 1,000, $90.00.

Empress This makes a fitting companion to Emperor. We think it one of the finest of bicolors. The trumpet is of a rich yellow, with perianth of snow-white petals; flowers bold and erect. Large bulbs. Per doz., $1.10; 100, $7.00; 1,000, $65.00. Mammoth bulbs, per doz., $1.40; 100, $9.50; 1,000, $90.00.

Miss Ellen Terry Fine white perianth, yellow trumpet, early forcer. Per doz., $1.60; 100, $11.00; 1,000, $100.00.

Mrs. Walter T. Ware A perfect-shaped, very free and early-blooming Daffodil with pure white perianth and well expanded, beautifully recurved, golden-yellow trumpet. Per doz., $1.00; 100, $6.50; 1,000, $60.00.

Princeps Maximus A popular variety, being used extensively for naturalizing in woodlands or along streams; one of the best forcing sorts, being very early; perianth sulphur-yellow, trumpet rich yellow. Large bulbs, per doz., 70c; 100, $4.50; 1,000, $40.00. Mammoth bulbs, per doz., 90c; 100, $6.00; 1,000, $55.00.

Spring Glory Clear white perianth with long petals of splendid form, long trumpet of deep yellow, well reflexing at the brim. A very vigorous grower and one of the best of the newer Daffodils for pot culture. Per doz., $2.00; 100, $15.00.

Victoria Flowers large and erect, with creamy-white perianth of remarkable breadth and good quality; the trumpet is a clear rich yellow and frilled at mouth. Large bulbs, per doz., $1.00; 100, $6.50; 1,000, $60.00. Mammoth bulbs, per doz., $1.50; 100, $10.00; 1,000, $95.00.

Weardale Perfection Perianth white, trumpet soft sulphur-white, exceedingly handsome Per doz., $3.50; 100, $25.00.

Leedsii-Duchess of Westminster.

Medium-Sized Trumpets

Incomparabilis Class

THIS class includes many of the most beautiful and useful Daffodils for bedding, naturalizing and border planting. Strong growers, hardy and free bloomers. Forced for winter flowers, they are splendid.

We include under this heading the beautiful Leedsii kinds, which belong to it only in shape, but are quite distinct in color. All have the purest white perianths and as a rule white cups, though some are often shaded primrose of faint buff-orange.

Parcel Post. Weights of all the following bulbs are as follows: 12 bulbs, 1 lb.; 50, 5 lbs.; 100, 10 lbs. Add postage at Zone Rates on page 48.

Autocrat A flower of exquisite shape; perianth and cup a uniform pure yellow. Excellent for pots or beds. Per doz., **$1.15**; 100, **$7.50**; 1,000, **$70.00.**

NARCISSUS HOMESPUN (Incomparabilis)

Beauty Sulphur-yellow perianth, large yellow cup margined scarlet. Per doz., **$1.15**; 100, **$7.50**; 1,000, **$70.00.**

Gloria Mundi A lovely flower, with fine bold, clear rich yellow perianth, large cup, much expanded, and very heavily stained orange-scarlet; handsome and striking. Per doz., **$1.30**; 100, **$8.50**; 1,000, **$80.00.**

Homespun (Primrose Sir Watkin) One of the finest of all yellow Incomparabilis. Color clear uniform yellow, perfect form, substance and quality. Has received more awards than almost any other Daffodil. Per doz., **$1.30**; 100, **$8.50**; 1,000, **$80.00.**

Lucifer (New) Long, white segments, long narrow cup, color intense glowing orange-scarlet. Splendid garden plant, as color lasts well in the sun. Per doz., **$1.10**; 100, **$7.00**; 1,000, **$65.00.**

Sir Watkin A well-known daffodil, excellent for large plantings, or growing in pots. Full perianth of pure yellow with large rich golden trumpet. Large size. Per doz., **$1.10**; 100, **$7.00**; 1,000, **$65.00.** Mammoth bulbs, per doz., **$1.60**; 100, **$11.00**; 1,000, **$100.00.**

Will Scarlet Fiery orange-red cup, very broad and wide open. Per doz., **$3.00**; 100, **$22.00.**

Leedsii Narcissus

ALL have white perianths with white or sulphur trumpets. Most beautiful classes for cutting of all daffodils.

Duchess of Westminster A most refined and graceful flower, with a large white spreading perianth, and long pale canary cup, which later passes to pure white. Per doz., **$1.15**; 100, **$7.50**; 1,000, **$70.00.**

Evangeline Pure white perianth, lemon-yellow cup. Per doz., **$115.**; 100, **$7.00**; 1,000, **$65.00.**

Lord Kitchener Large, snow-white perianth; big crown of palest primrose elegantly fluted at the brim. A perfect flower. Per doz., **$3.00**; 100, **$20.00.**

Mrs. Langtry A remarkably free-flowering variety, broad white perianth, and white cup opening pale primrose. Valuable for naturalizing. Per doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

White Lady A giant-flowering variety resembling a White Sir Watkin. Large, broad, pure white perianth and a bold frilled cup of pale citron passing to white. Per doz., **$1.10**· 100, **$7.00**; 1,000, **$65.00.**

Star Narcissi

TO THIS class belong the most interesting of all Narcissi, including the Barri, Burbidgei and Englehearti (Flat Trumpet) sorts. Their pedigree is similar to the Incomparabilis type, but they inherit more of the Poeticus character in having the cups less than one-third of the length of the perianth segments (petals) and more of the red parent blood suffused through the cup. These are usually tipped red, or entirely orange-scarlet, and make dainty flowers for pot culture, or nooks in the garden.

Parcel Post. Reckon postage at 1 lb. per dozen bulbs; 7 lbs. per 100. Add postage to your remittance.

Albatross Perianth white, cup pale citron-yellow, frilled edged orange-red. Per doz., **$1.25**; 100, **$8.00**; 1,000, **$75.00.**

Conspicuus A flower of exquisite beauty, unexcelled for cutting; large, broad spreading perianth, broad, short cup conspicuously edged bright orange-scarlet. Lasts long in water. Per doz., 80c; 100, **$5.50**; 1,000, **$50.00.**

KING ALFRED

Glitter (Yellow Poeticus) A very charming flower. May well be described as a Poeticus with a clear, soft yellow perianth, the segments broad and overlapping, expanded short cup, beautifully edged with bright scarlet. Per doz., 90c; 100, **$6.00**; 1,000, **$55.00.**

Incognita A beautiful flower, with large white perianth, large, flat cup of a glowing orange-apricot color, margined cinnamon-buff. One of the finest of recent introductions. Per doz., **$3.50**; 100, **$25.00.**

Red Beacon Perianth is ivory-white, broad and of great substance, slightly shaded sulphur at base, cup prettily fluted and of the most intense fiery orange-red. Per doz., **$3.50**; 100, **$25.00.**

My bulbs planted last fall were a great success. King Alfred Narcissus caused a sensation in the neighborhood, they were so wonderful in size and color.

ANNA C. TASKER,
Topeka, Kas.

TYPE OF POETAZ NARCISSI

Narcissus Poetaz

BY CROSSING Poeticus and Polyanthus varieties, growers have succeeded in obtaining this perfectly hardy strain of bunch-flowering Narcissus. They do well planted in pots for winter flowers.

Parcel Post. Reckon postage at rate of 1 lb. per dozen bulbs; 7 lbs. per 100. Add postage to your remittance.

Alsace Petal pure white with yellow eye; when bursting into flower the eye is slightly edged reddish. Per doz., **$1.15**; 100, **$7.50**; 1,000, **$70.00.**

Aspasia Perianth pure white, with yellow eye. Large flowers, grows 24 inches, 3 to 4 flowers on a stem. Per doz., **$1.15**; 100, **$7.50**; 1,000, **$70.00.**

Elvira Pure white with yellow eye, large flower of remarkably good substance; very long stemmed, 3 to 4 flowers on a stem. Per doz., **$1.15**; 100, **$7.50**; 1,000, **$70.00.**

Klondyke Perianth yellow, with deep golden eye; one of the deepest yellows. Trusses bring 6 to 7 flowers. Per doz., **$1.60**; 100, **$11.00**; 1,000, **$100.00.**

Laurens Koster Perianth white, cup light orange-yellow. Per doz., **$1.15**; 100, **$7.50**; 1,000, **$70.00.**

Triumph Pure white perianth, with deep yellow eye; the largest flowers of this section, resembling Narcissus Bazelman Major, 3 to 4 flowers on a stem. Per doz., **$1.15**; 100, **$7.50**; 1,000, **$70.00.**

Warning!

BEFORE you leave the Narcissus section of this catalog, let us remind you, that after January 1, 1926, no more narcissi may be imported into the United States; and there is no commercial production in this country. Bulbs will therefore be unobtainable, or if a few are to be had, it will be at prices many times those offered here.

Poeticus Narcissus

THE pure white perianth and all red or picoteed cup and delicious perfume peculiar to itself makes this one of the most popular of all Narcissi. Millions of these are annually forced for the world's great cut-flower markets, and the better, large-flowered, newer types always receive prominence in the choicest corners (usually shady) of the better gardens, and in pots or pans in the best homes and conservatories.

Woodland border and brinks of streams or ponds can also be made peculiarly picturesque when liberal plantings of these unfold their whiteness to the April breezes.

Parcel Post. Reckon postage at rate of 1 lb. per dozen bulbs; 7 lbs. per 100. Add postage to your remittance.

Glory of Lisse Much better than Poeticus Grandiflorus, pure white, yellow cup, very large. Per doz., **$1.25**; 100, **$8.00**; 1,000, **$75.00.**

Horace Snow-white perianth, dark red cup. Per doz., **$2.00**; 100, **$15.00.**

King Edward VII (Almira) Magnificent large flowers with broad, round petals, a glistening white; the yellow cup is edged deep red; very early-flowering variety. Per doz., **$1.10**; 100, **$7.00**; 1,000, **$65.00.**

Poeticus (Common Pheasant's Eye) The Narcissus for garden planting; pure white with scarlet-edged cup or eye. Fine for naturalizing, being hardy and increases readily in numbers; late. Per doz., **60c**; 100, **$4.00**; 1,000, **$35.00.**

Ornatus A much improved form of the ordinary Poeticus, producing larger flowers and appearing two weeks earlier; for this reason they are especially adapted for forcing and make a splendid cut-flower. Large bulbs. Per doz., **55c**; 100, **$3.50**; 1,000, **$32.00.** Mammoth bulbs, per doz., **80c**; 100, **$5.50**; 1,000, **$50.00.**

TYPE OF NARCISSUS POETICUS

Double Narcissi

THESE old-fashioned daffodils are still very popular, and though they lack the sturdiness of some of the single varieties as bedders, the "Phoenix" varieties have a delightful fragrance and are excellent for cutting, while the old Von Sion has no equal of its class for potting or forcing.

If by Parcel Post, 12 Mother bulbs weigh 3 lbs.; 50, 10 lbs. Other sizes, 12 bulbs, 2 lbs.; 50, 7 lbs.

Alba Plena Ordorata The well-known double white, scented form of Poeticus; sometimes called the gardenia-flowered Narcissus. Late-flowering, and will not force. Best suited for beds or naturalizing. Per doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

Orange Phoenix (Eggs and Bacon) white and orange. Per doz., **$1.10**; 100, **$7.00**; 1,000, **$65.00.**

Sulphur Phoenix (Codlins and Cream), white and sulphur-yellow. One of the best for cutting and unexcelled for funeral work. As this bulb generally throws two to three flowers, it is a profitable variety to grow. Per doz., **$1.00**; 100, **$6.50**; 1,000, **$60.00.**

The Pearl Beautiful large white flowers with sulphur-white center; very striking. Large bulbs. Per doz., **$1.50**; 100, **$10.00**; 1,000, **$95.00.**

Von Sion The common Double Yellow Daffodil. Mother Bulbs (Jumbo size). The bulbs are extra large in size, the finest roots that our growers can select. Each bulb will bring three or more flowers. Per doz., **$1.15**; 100, **$7.50**; 1,000, **$70.00.**

Von Sion Fancy selected bulbs. Per doz., **75c**; 100, **$5.00**; 1,000, **$45.00.**

Narcissus

Narcissi like to nestle at the feet of shrubs. They are beautiful naturalized in drifts of 100 or more, in woodlands or shady corners of the garden. They enjoy a place in the hardy border, among the roots of perennials. Plant them liberally as they come in the spring when there is not often anything else to gladden the eye.

We offer no mixtures, but the following collections on which we can make a special price because varieties are of our selection:

25 bulbs of 5 varieties..... $2.00
50 bulbs of 5 " 3.50
100 bulbs of 10 " 6.00

Collections

For Naturalizing

We offer an unusual opportunity to obtain bulbs of the Leedsii and Poeticus type, and many others which are especially suited for naturalizing. Because of the embargo on Narcissus January 1, 1926, we have arranged with one of our Narcissus growers for a special mixture which will include many kinds not listed in our catalog and which could not be purchased anywhere for such prices as we quote here. It has been possible for us to obtain this mixture at such low prices because of the tremendous shrinkage in Narcissus production abroad which our embargo will force.

Per doz., 70c; 100, $4.50; 1,000, $40.00.

Hyacinths for Beds and Boxes

HYACINTHS are returning to popularity for both formal beds and border plantings. Their uniform, exact form and habit of growth fit them exceptionally for formal plantings, where they provide much needed blues, for contrast with pink and yellow tulips. In the border, planted in groups, they are welcome companions with the dwarf iris pumila hybrids. And what could be finer than King of the Blues, and the flaming orange early tulip De Wet? Hyacinths are fragrant as well as beautiful.

Hyacinth bulbs may be planted from September to December, in any good, well-drained garden soil, which has previously been well enriched (but never with fresh manure) and dug from 12 to 18 inches. The beds should be raised several inches above the surrounding ground to prevent lodgments of water which causes bulbs to rot. Bulbs should be set 6 inches apart and 6 inches deep. Before the ground freezes, cover the bed with material, such as leaves, straw, pine branches, etc., to a depth of 4 inches. Do not uncover too early in Spring.

PARCEL POST—Add postage for these at rate of 2 lbs. weight per dozen bulbs. Price each includes postage.

Single White

Arentine Arendsen, snow-white.
General Vetter, blush-white.
Hein Roozen, snow-white.
La Grandesse, pure white, large bells, splendid spike.
L'Innocence, pure white, compact truss on short stem, fine for pots.
Prices of above, per doz., **$2.50; 100, $18.00.**

Single Blue

Admiral Coubert, azure-blue.
Bismark, bright blue.
Dr. Lieber, dark-blue.
Grand Maitre. dark-porcelain, medium early.
King of the Blues, dark, medium early.
Perle Brilliant, pale-blue.
Queen of the Blues, light fine spike.
Schotel, light blue, large spike.
Prices of above, per doz., **$2.50; 100, $18.00.**

"Fancy" Hyacinths

THIS is a grade of Mixed Hyacinths which we annually import, paying the highest prices known for mixed varieties. The bulbs measure from 16 to 17 centimeters in size, are plump and sound, selected from the best named varieties.

Blue, all shades; **Light Blue; Red and Rose; Rose; Pure White; White,** all shades; **Yellow; Mixed, All Colors.** Mailing weight per dozen, 2 lbs.; price of above, per doz., **$2.25; 100, $16.00, 1,000, $150.00.** We offer these in singles only.

Good Hyacinths

Blue, all shades; **Light Blue; Red and Rose; Rose; Pure White; White and Blush; Yellow; Mixed, All Colors. PARCEL POST—Add postage for these at rate of 2 lbs. per dozen bulbs.** Price of above, per doz., **$1.75; 100, $13.00; 1,000, $125.00.** Please mention whether **Single or Double** varieties are desired.

Single Red and Rose

Garibaldi, brilliant red, early.
General de Wet, light pink.
Gertrude, rose-pink, medium early; one of the best pot varieties.
La Victoria, brilliant dark pink.
Lady Derby, delicate pink, early forcer.
Marconi, bright pink.
Queen of Pinks, choice pink.
Roi des Belges, bright scarlet, early.
Price of above, per doz., **$2.50; 100, $18.00.**

Single Yellow

City of Haarlem, golden-yellow.
King of the Yellows, extra medium early.
Yellow Hammer.
Prices of above, per doz., **$2.50; 100, $18.00.**

First-Sized Hyacinths for Glasses, Pots

Numbers following names indicate time of flowering. No. 1's flowering together earliest, while 4's are latest. For cultural directions see Page 7.

Your selection of varieties as listed below. Each, 30c; doz., $3.00; 100, $22.00.

Single Red and Rose

Garibaldi, 1, brilliant red, early.
General de Wet, 2, light pink.
Gertrude, 3, rose-pink, medium early; one of the best pot varieties.
La Victoria, 3, brilliant dark pink.
Lady Derby, 1, delicate pink, early forcer.
Marconi, 2, bright pink.
Queen of Pinks, 2, choice, pink.
Roi des Belges, 3, bright scarlet, early.

Single Blue and Purple

Admiral Coubert, 2, azure blue.
Bismark, 2, bright blue.
Dr. Lieber, dark blue.
Grand Maitre, 2, dark porcelain, medium early.
King of the Blues, 4, dark, medium only.
Perle Brilliant, 2, pale blue.

Vaughan's Rainbow Collections

Single Named Hyacinths for Window Garden

Lady Derby, Pink — **Grand Maitre,** Lt. Blue
Roi des Belges, Red — **L'Innocence,** White
King of the Blues, Dark Blue
King of the Yellows, Yellow

PREPAID PRICES—	Postpaid
A— 6 Bulbs, one of each variety	$1.50
B—12 Bulbs, two of each variety	2.75
C—24 Bulbs, four of each variety	5.00
D—36 Bulbs, six of each variety	7.50

East Liverpool, Ohio

Vaughan's Seed Store:

The Hyacinth Bulbs have just arrived, and they are fine. We are more than pleased Thanks for your promptness. Send bill. See letter later.

A. P. HOWARD'S SONS

Single Blue and Purple—Continued.

Queen of the Blues, 4, light fine spike.
Schotel, 2, light blue, large spike.

Single Yellow and Orange

City of Haarlem, 3, golden-yellow.
King of the Yellows, 4, extra medium early.
Yellow Hammer, 3.

Single White and Blush

Arentine Arendsen, snow-white.
General Vetter, blush-white.
Hein Roozen, 2, snow-white.
La Grandesse, 3, pure white, large bells, splendid spike.
L'Innocence, 2, pure white, compact truss on short stem; fine for pots.

Miscellaneous Bulbs

Spring-Flowering Crocus

Anemone (Wildflower)

The variety offered below are charming hardy flowers. Both double and single are equally desirable. They are suitable for pot or border culture, and when planted in masses are most effective. They succeed best in a light, rich, well-drained loam. Plant in November, or as soon as the ground can be worked in the spring. If planted in the autumn they should be covered with leaves, straw or long manure on the approach of winter.

Coronaria Mixed. Doz., $1.00; 100, $6.50.

Spring-Flowering Crocus

One of the earliest flowers to open in Spring, the Crocus makes an effective show when planted in masses or arranged in groups in a border. They are perfectly hardy and can be left in the ground for several years without being disturbed. The large-flowering named varieties are ornamental when flowered in pots six or eight bulbs in 5-inch size. They will not flower if exposed to heat, nor must severe forcing be attempted. It is a mistake to plant Crocuses too deeply, an inch of covering being quite sufficient, anything deeper may cause them to fail to bloom.

Dozen price includes postage. 100 bulbs weigh 3 lbs.

Albion, blue, striped white.
Baron von Bruno, dark blue.
David Rizzio, deep purple.
Dandy, blue.
Non Plus Ultra, blue, bordered white.
Othello, dark purple.
Mont Blanc, pure white.
La Majesteuse, white, violet stripe.
Madam Mina, white striped.
Sir Walter Scott, white, blue stripe.
Mammoth White.
Select Yellow.

Price of above, per doz., **50c; 100, $3.00; 1000, $25.00.**
Mammoth Yellow, Doz., **70c; 100, $4.50; 1000, $40.00.**
SPECIAL OFFER 21 "W": 10 each of 10 varieties of above. (100 bulbs) Our Selection, postpaid, for $2.50.

Vaughan's "Pride of Holland" Strain of Named Crocus

This is a special large-flowered strain selected by one of our Dutch growers. They make larger bulbs and give larger blooms than ordinary named kinds, and are of special value for pot culture. We offer five colors. Please mention **"Pride of Holland"** strain when ordering.

Sir Walter Scott, white, blue striped.
Queen Victoria, pure white.
Mammoth Yellow.
David Rizzio.
King of Blues, fine blue.

Price, per doz., **60c; 100, $4.00; 1000, $35.00.**

Crocus—Vaughan's Special Mixture

Giant-Flowered Crocus

We make this mixture from named sorts only, adding a liberal amount of the mammoth "Pride of Holland" sorts. For planting outdoors along borders or amongst shrubbery this mixture cannot be excelled.

Doz., **30c; 100, $1.75; 1000, $15.00**

Calochortus or Mariposa Tulip

These famous California flowers possess much delicacy and brilliancy of coloring. They resemble a tulip in shape, and are of many colors, shades and markings.

Mixed, doz., **60c; 100, $4.00, postpaid; 1000, $35.00, postpaid.**

Leucojum Vernum

(Spring Snowflake)

Pretty bulbous plants allied to the Snowdrop, but of much stronger and bolder habit, growing in rich soil from 1 to 2 ft. high, and producing freely beautiful large white flowers, distinctly tipped with green; excellent for cutting. When once planted, they take care of themselves. The first year, however, a good mulch should be given so as to protect from freezing, bulbs being California-grown. Should have a place in all hardy collections particularly, shady nooks; can be grown in pots.

Per doz., **70c;** per 100, **$4.50;** per 1000, **$40.00.**

Vaughan's Giant Freesias

These are well known for their delightful fragrance, the new colored ones which we offer, adding a new charm to the class. They should be potted in September and stood outside until the approach of frost, then taken inside to the conservatory or a sunny, airy window, where they will flower freely from January onwards. Plant early to secure good results. Dozen and 100 prices include postage.

VAUGHAN'S PURITY. Flowers are a magnificent snowy-white, of very large size and great fragrance. One bulb will throw three to five flower-heads, each of which will have from eight to nine buds of the finest type.

⅛ inch flat, per doz., 30c; 100, $1.25; 1000, $8.00.
⅛ to ⅝ inch, per doz., 40c; 100, $2.00; 1000, $15.00.

New Named Colored Freesias

After many years devoted to crossing and hybridizing by an eminent grower we are now able to offer these popular bulbs in the following distinct colors:

Aurora. A large-flowering yellow suffused with orange. A variety which has many admirers. Doz., **$1.15; 100, $7.50; 1000, $70.00.**
California. A large flower of a bright golden-yellow, strong grower, long stems. Doz., **$1.15; 100, $7.50; 1000, $70.00.**
Carmencita. Light orange-salmon. Doz., **$1.15; 100, $7.50; 1000, $70.00.**
Carrie Budau. Lavender-pink, larger flower than General Pershing. Doz., **$1.25; 100, $8.00; 1000, $75.00.**
General Pershing. Lavender-pink, yellow lip somewhat of a bronze cast. Doz., **70c; 100, $4.50; 1000, $40.00.**
Ilena. Deep rosy-lavender with white throat, deep orange blotch on lower petal; good stiff stems. Doz., **$1.30; 100, $8.50; 1000, $80.00.**
Olivette. Bright carmine-red with light yellow throat, very profuse bloomer. Doz., **$1.25; 100, $8.00; 1000, $75.00.**
Yellow Prince. Doz., **$1.15; 100, $7.50; 1000, $70.00.**
Rainbow Mixed. (Our own mixture). Doz., **60c; 100, $4.00; 1000, $35.00.**

Mendota (1925 Introduction)

New Giant Yellow "Freesia Par Perfection." Splendid clear color, extra strong vigorous growth, long sturdy stems, making it a valuable cut-flower. A duplicate of Gen. Pershing in growth. Doz., **$1.25; 100, $8.00; 1000, $75.00.**

Mrs. Mark Peter (1925 Introduction)

A very attractive Freesia. Deep rosy salmon with lower petals blotched orange and yellow. Doz., **$1.25; 100, $8.00; 1000, $75.00.**

Ranunculus (Buttercup)

Nothing produces a brighter or more gorgeous effect in June and July than beds of Ranunculus; the flowers are all good for cutting, and the culture is very simple. They thrive in any ordinary garden soil, but should have protection in spring from the late frosts and sharp winds. Plant outside latter end of March or early April, as soon as frost is out of the ground, or earlier in the hot bed if desired for early cutting. Plant in November for early spring bloom in frames. Set the tubers 3 or 4 inches apart, pressing them firmly into the soil, claws downwards, and cover them with sand, then with soil; keep the crown of the tubers two inches under the surface. During dry weather the plants should be given abundance of water.

French Mixed. Per doz., **75c; 100, $5.00; 1000, $45.00.**
Separate Colors. Do not miss this collection. All very fine double varieties. Doz., **$1.15; 100, $7.50; 1000, $70.00.**

Mourning Iris (Iris Susiana)

Immense flowers, blush tinted brown and covered with a network of fine lines. Flowers to the end of May and grows about a foot high. Plant in a location where there is plenty of drainage. Keep them from getting too wet by placing boards on them after planting

Each, **50c;** doz., **$5.00.** Mailing weight, doz., ¾ lb.

(For other Irises see pages 28 and 29.)

Oxalis

Most of these Oxalis flower from October until Christmas, and later. Easily grown, requiring only a good, somewhat peaty soil, with considerable light, for their successful growth. Dozen and 100 prices include postage.

Grand Duchess. Lavender, doz., **50c; 100, $3.00; 1000, $25.00.** Pink, doz., **50c; 100, $3.00; 1000, $25.00;** Yellow, doz., **50c; 100, $3.00; 1000, $25.00.**
Bermuda Buttercup. Per doz., **50c; 100, $3.00; 1000, $25.00.**

ANTIRRHINUM

CALLIOPSIS

CALENDULA

EUPHORBIA

ESCHOLTZIA

Flower Seeds for Fall Sowing

FEW know many of our prettiest and best known annuals may be sown in the fall, in faet some varieties, like the annual Larkspur, are mueh better, treated in this way. The prineiple is the one nature uses. Seed dropped from parent plant will lay dormant in the soil until early in the spring when it germinates and begins a root system long before one ean get in the ground to sow seed. Consequently the flowering season is prolonged by the earlier blooming. Ground should be prepared and seed sown just previous to the late heavy frosts.

The fall-sown plants as a rule are mueh sturdier and better established on the blossoming date than those started indoors.

Another advantage of fall sowing is that it relieves pressure in the springtime. Care should be taken not to sow too early, as the seed will germinate and die this fall.

Sweet peas should be heavily mulehed with leaves or straw.

250 **Alyssum.** Sweet. Dainty white flowers, ½-oz., **15c**; pkt., **10c.**

255 **Alyssum.** Vaughan's Little Gem. Snow-white carpet plant. ¼ oz., **25c**; pkt., **10c.**

310 **Anchusa.** Capensis (Summer Forget-me-not). Flowers beautiful blue. Pkt., **10c.**

425 **Antirrhinum.** Vaughan's special mixture. ⅛ oz., **25c**; pkt., **15c.**

1170 **Cacalia.** Mixed. Pkt., **10c.**

1190 **Calendula.** Orange King. Orange flowers. Pkt., **10c.**

1245 **Calliopsis.** Vaughan's special mixture. ½ oz., **30c**; pkt., **10c.**

1260 **Candytuft.** Giant Hyacinth-Flowered White. ¼ oz., **25c**; pkt., **10c.**

1535 **Centaurea** Cyanus. Vaughan's special mixture. 1 oz., **60c**; pkt., **10c.**

1570 **Centaurea** Imperialis mixed. Pkt., **10c.**

1790 **Clarkia.** Vaughan's special mixture. Pkt., **10c.**

1950 **Cosmos.** Early Flowering Mammoth mixed. ¼ oz., **20c**; pkt., **10c.**

2305 **Dianthus.** Vaughan's special double and single mixture. ¼ oz., **30c**; pkt., **10c.**

2415 **Escholtzia.** Vaughan's special mixture. ½ oz., **40c**; pkt., **10c.**

2435 **Euphorbia.** Variegata (Snow on the mountain). Pkt., **10c.**

2592 **Godetia.** Double mixed. Pkt., **10c.**

2680 **Gypsophila** Elegans Grandiflora Alba. ½ oz., **20c**; pkt., **10c.**

2860 **Hunnemannia.** Fumariaefolia. (Bush Escholtzia.) Pkt., **10c.**

2170 **Larkspur.** Vaughan's special mixture. ¼ oz., **30c**; pkt., **10c.**

2995 **Lavender Lace Flower.** (Didiscus Coeruleus.) Pkt., **10c.**

3020 **Linum.** Grandiflorum Rubrum. Pkt., **10c.**

3105 **Lupinus.** Tall annual mixed. Pkt., **10c.**

3380 **Nemophila.** Mixed. Pkt., **10c.**

3390 **Nicotiana** Affinis (Sweet scented Tobacco plant). Pkt., **10c.**

3420 **Nigella.** Miss Jekyll. Pkt., **10c.**

3875 **Pansy.** Vaughan's Giant mixture. Pkt., **15c.**

10003 **Petunia.** Rose of Heaven. Color rich brilliant rose with inconspicous white throat, darker than Rosy Morn; a compact grower; very free-blooming. Pkt., **25c.**

4220 **Phlox** Drummondi. Vaughan's special mixture. ¼ oz., **30c**; pkt., **15c.**

4310 **Poppy.** Vaughan's special double and single mixed. ½ oz., **25c**; pkt., **10c.**

4691 **Saponaria** Vaccaria Rose. The light graceful sprays of glistening pink flowers are produced in greatest profusion. Pkt., **10c.**

4755 **Schizanthus.** Garaways Hybrids. Pkt., **25c.**

5595 **Sweet Peas.** Vaughan's special mixture. Spencer varieties. Oz., **25c**; pkt., **10c.**

5810 **Virginia Stocks.** Mixed. ½ oz., **15c**; pkt., **10c.**

5805 **Viscaria.** Mixed. Pkt., **10c.**

LINUM

PANSY

PETUNIA

MIGNONETTE

SCHIZANTHUS

Vaughan's Lily Bulbs

LILIUM AURATUM

LILIES are so beautiful, so fragrant, we are likely to think them too fine for the amateur to grow. But many are hardy, thrifty flowers, capable of surviving conditions which would overcome flowers much less beautiful. Grow them in the border in small groups, with background, where their beauty has a suitable setting for its display. They blossom, as a rule, in midsummer, when fine flowers are at a premium. One of the finest effects in the border is produced by lilies in combination with hardy larkspur. The madonna and umbellatum lilies are especially suited for this use.

Most Lily Bulbs, being of late maturity, are not ready before October and November (the best time to plant them). Where the ground is liable to freeze up before the late lilies arrive, it should be mulched with six or eight inches of leaves or manure so the bulbs may be planted on arrival.

Lilium Harrisii and Candidum are ready now, **all others in November.**

Out-door Culture—When planting lilies out of doors, see that they have a well drained position, and where they will be shaded from very hot sun. Such places can usually be found around the shrub borders, and in the hardy plant border. Many varieties are termed "stemrooters" that is, they develop roots on the stem up to two or three inches from the ground. These roots are voracious feeders, and on them depend greatly the number and size of flowers. When they appear, the plant should receive a top dressing of good rich soil on which they can feed freely. Spade over the ground thoroughly to a depth of 18 inches before planting lilies and enrich it with bone meal. Plant the bulbs 4 to 6 inches deep, depending on their size and the soil, deeper in light soil. Put some sand under and around the bulbs, and after covering protect with six or eight inches of leaves or other litter, which must be removed in late spring.

April planting is permissible if planting the previous fall was prevented.

Indoor Culture—Lilies should be potted immediately upon receipt, if intended for growing in pots or for forcing. In potting use a compost of fibrous loam and sweet decomposed leaf soil, with plenty of coarse sand or a mixture of good peat, loam, and sand, adding to the compost a few pieces of charcoal. See that the pot is well drained. The bulb should be set about half-way down in the pot and barely covered with soil, thus leaving room to top dress and fill the pot with more soil when stem-roots appear above the bulb. After potting, give a thorough watering and set outside in a cold frame or shady situation, then cover with ashes or long straw. After they have stood from three weeks to a month and thoroughly rooted, bring inside, in a temperature of about 66°; let the plants grow slowly under a bench or some other suitable place until about 6 inches high; then place on top of the bench in full light. An occasional application of liquid cow manure, starting about six weeks before flowering time will stimulate the plant wonderfully. **Thorough rooting is essential.**

Lily Bulbs by Parcel Post. **For postage Zone Rates see page 48.**

Size, 8-9 in., 3 bulbs, ½ lb.; doz., 4-5 lbs.; 9-11 in., 3 bulbs, 1½-2 lbs., doz., 6-7 lbs.; 11-13 in., 3 bulbs, 2-3 lbs.; doz., 9-10 lbs.

Lilium Auratum

The Gold-Banded Lily of Japan—The most beautiful variety of all the lily family; should be in every garden. Flowers white, dotted crimson, with a clear golden band running through the center of each petal; very fragrant. A splendid lily for pots, or for planting out in the shrub or plant borders. In either way it is very handsome, its large flowers and delicious perfume makes it one of the most valuable of all. It is perfectly hardy with ordinary protection and suitable soil.

First Size (8 to 9 in.), each, 30c; doz., $3.00; 100, $20.00.
Mammoth (9 to 11 in.), each, 45c; doz., $4.50; 100, $35.00.
Jumbo (11 to 12 in.), each, 65c; doz., $6.00; 100, $45.00.

Auratum Platyphyllum

This is without a question one of the most wonderful lilies in cultivation. The leaves are very long and broad and the stems attain a height varying from 7 to 10 feet. The flowers are similar in color to Auratum, heavily spotted, but much larger, the petals more overlapping, and of greater substance.

First Size (8 to 10 in.), each, 40c; doz., $4.00.

Easter Lilies

We offer three types of the Longiflorum Lily usually grown by the florist. Bulbs planted when received can be readily brought into bloom by Easter if kept in a warm room or conservatory. Flowers are large, trumpet-shape, pure white in color and of a delicious fragrance.

Lilium Harrisii

Now ready. 5 to 7 in., each, 20c; doz., $2.00; 100, $15.00; 6 to 7 in., each, 25c; doz., $2.75; 100, $20.00; 7 to 9 in., each, 40c; doz., $4.00; 100, $30.00; 9 to 11 in., each, 75c; doz., $7.50; 100, $55.00.

Lilium Formosum

Ready in September. 6 to 8 in., each, 15c; doz., $1.50; 100, $10.00; 7 to 9 in., each, 25c; doz., $2.75; 100, $20.00; 9 to 10 in., each, 40c; doz., $4.00; 100, $30.00.

Lilium Giganteum

Ready in November. 6 to 8 in., each, 20c; doz., $2.00; 100, $15.00; 7 to 9 in., each, 35c; doz., $3.50; 100, $25.00; 9 to 10 in., each, 65c; doz., $6.00; 100, $40.00.

Lily of the Valley

Cold Storage—For forcing. Very fragrant and producing in abundance. Plant about 25 pips in a 7-in. pot or pan, place in a warm temperature, 65° F. and shade from light until leaves and spikes are well developed, then admit light gradually. Increase temperature to 75° or 80° if possible. An inverted pot over each potful answers admirably. This is the treatment for cold storage pips only. They bloom in from 18 to 21 days.

VAUGHAN'S PERFECTION PIPS (Ready in November).
Cold Storage—Per 100, $6.00. **Fresh Pips**—Doz., $1.00; 100, $4.50.
Large Clumps—For outdoor planting, clumps are best to plant. They do best in a shady, moist place. We especially recommend the clumps for outdoors, as they give a quicker and better effect at less cost. Each, 65c, postpaid.

Lilium Tenuifolium

The lovely Coral Lily of Siberia. A great beauty. The brightest of all lilies. Grows 20 inches high, with finely cut foliage, slender stems and beautifully shaded coral-red flowers. One ought to grow them by the dozen, they are so fine for cutting and making clumps for the lawn. Blooms very early.

Each, 25c; doz., $2.50.

MADONNA LILIES

Madonna Lilies (Lilium Candidum)

This is one of the oldest, loveliest and best known lilies. Can only be planted in fall. Ours is the thick-petaled type, imported by us from Northern France. The flowers, of which there are three to twenty on each stem, are snow-white, with heavy yellow stamens and of the most delightful fragrance. It is hardy and will thrive in any ordinary soil, preferring plenty of light and air. Blooms in the open ground about June 20th. Orders, should, therefore, be mailed on receipt of this Catalogue.

18 to 20 ctms., each, **20c**; doz., **$2.00**; 100, **$15.00**. 20 to 22 ctms., each, **25c**; doz., **$2.75**; 100, **$20.00**. 22 to 24 ctms., each, **35c**; doz., **$3.50**; 100, **$25.00**. 24 to 26 ctms., each, **45c**; doz., **$4.50**; 100, **$35.00**. 26 ctms. and over, each, **60c**; doz., **$6.00**.

Various Hardy Lilies

"Each" and "Dozen" Prices Include Postage

Canadense (Meadow Lily)—Gracefully drooping, bell-shaped, red and yellow flowers typical of our northern meadows. Each, **20c**; doz., **$2.00**.

Henryi—A new, rare, and very beautiful lily from China. The flower stalks, 3 to 5 feet high, carry 5 to 8 large flowers each; apricot spotted brown. Each, **60c**; doz., **$6.00**.

Elegans Mixed—A splendid assortment of this type. Each, **20c**; doz., **$2.00**.

Martagon—The Purple Martagon, strong-growing, producing twenty to thirty light-spotted purple flowers, very graceful, vigorous and floriferous. (June-July, 3 ft.) Each, **25c**; doz., **$2.50**.

Pardalinum (Leopard Lily)—Rich scarlet and yellow, spotted rich brown. Each, **20c**; doz., **$2.00**.

Superbum—The finest of the native lilies. Flowers bright orange, spotted purple. Each, **20c**; doz., **$2.00**.

Tigrinum Splendens—Very hardy native lily; orange, spotted purple. Each, **20c**; doz., **$2.00**.

Tigrinum Flore Pleno (Double Tiger Lily)—The well known double Tiger Lily. Rich orange blossoms, 4-foot. Each, **20c**; doz., **$2.00**.

Umbellatum—Colors range from deepest red through all shades of crimson, rose, yellow, buff and apricot. Each, **25c**; doz., **$2.50**.

We supply 6 Bulbs of a kind at dozen rate, 25 at 100 rate, and 250 at 1000 rate.

Fairfield, Iowa, Sept. 8, 1924

Vaughan's Seed Store:

Dear Sirs—Please send me your Fall Catalog of bulbs. One of the lily bulbs I received of you last December was very beautiful. The cover collection of Narcissus was very beautiful, too.

Yours truly, MISS GENE WILLIAMS.

Lilium Myriophyllum (Regale)

A new and very rare lily from China. The flowers are white, shading to yellow in the center, with a pink tinge on the outer edges. A strong grower, some 3 or 4 feet high. It is deliciously scented, and its extreme hardiness makes it a valuable lily for out door planting.

Each, **60c**; doz., **$6.00**.

Calla (Richardia)

White Calla Lily (Aethiopica)—A well-known plant of easy culture for winter bloom, and makes a handsome house or window plant. To aid profuse blooming keep dormant from the middle of June until the last of September; pot on receipt in good, rich soil, using 6 to 8-inch pot, give light and heat in abundance. Both foliage and flowers are attractive in this desirable winter bloomer. **If by PARCEL POST, add postage at Zone Rates.**

First Size (1¼ to 1½ in.), weight, doz., 1 lb. Each, **20c**; doz., **$1.75**; 100, **$12.00**.

Select Size (1½ to 2 in.), weight, doz., 2 lbs. Each, **35c**; doz., **$3.50**; 100, **$25.00**.

Mammoth (2 to 2½ in.), weight, doz., 3 lbs. Each, **50c**; doz., **$5.00**; 100, **$40.00**.

Yellow Calla (Elliottiana)—New and beautiful variety; same habit of growth as ordinary white Calla; flowers same size and shape, rich, clear, lustrous golden-yellow; foliage dark green, with translucent creamy spots, strong bulbs.

First Size (1½ to 2 in.). Each, **25c**; doz., **$2.50**; 100, **$18.00**.
Mammoth (2 to 2½ in.). Each, **35c**; doz., **$3.50**; 100, **$25.00**.
Jumbo (2½ in. and up). Each, **45c**; doz., **$4.50**; 100, **$30.00**.

Lilium Speciosum (Lance-Leaved Lily)

These lilies are probably the most popular of all, succeeding equally well in open border or in pots. When fully open, the petals curve gracefully on the flower stem, exposing the beautiful rose and crimson markings, which characterize the **Rubrum and Melpomene** types.

Album—Pure white.
First Size (8 to 9 in.), each, **35c**; doz., **$3.50**; 100, **$25.00**.
Mammoth (9 to 11 in.), each, **45c**; doz., **$4.50**; 100, **$35.00**.

Rubrum—White, spotted and rayed rosy-red. We consider this the most satisfactory of the Speciosum class.
First Size (8 to 9 in.), each, **30c**; doz., **$3.00**; 100, **$20.00**.
Mammoth—(9 to 11 in.), each **40c**; per doz. **$4.00**; 100 **$30.00**.
(11 to 13 in.), **65c**; doz., **$6.00**; 100, **$45.00**.

Melpomene—White, spotted and splashed deep crimson.
First Size (8 to 9 in.), each, **30c**; doz., **$3.00**; 100, **$20.00**.
Mammoth (9 to 11 in.), each, **40c**; doz., **$4.00**; 100, **$30.00**.

LILIUM SPECIOSUM RUBRUM

Books on Garden Subjects

Prices quoted below include postage, and are subject to change without notice.

Alfalfa by F. D. Coburn. Illustrated; cloth; 164 pages $0.90
The Book of Alfalfa. F. D. Coburn. The new revised edition, containing 324 pages, fully illustrated 3.00
Annuals, Little Book of. By Hottes. Cloth: 128 pages 1.65
Asparagus Culture. F. M. Hexamer. Illustrated. Cloth; 174 pages ..... .90
Berry Book, The Biggle. Cloth; 126 pages ..... .55
Bulbs and Tuberous Rooted Plants. Allen. Cloth 2.10
Bulb Culture. Henderson. 68 pages ..... .55
Bulb Garden, Making a. Tabor. Illustrated ..... .85
Cabbage and Cauliflower. By Allen. Cloth ..... .90
Canning, Every Step in. By Gray. The cold-pack method 1.25
Celery Manual. Vaughan's. Paper ..... .50
Chrysanthemum, The. By Arthur Herrington. Cloth; 160 pages ..... .90
Climbing Plants, A Little Book Of. By Prof. Alfred C. Hottes. Cloth .. 1.90
Cook Book. Vaughan's Vegetable. Paper, 30c; cloth ..... .60
Dahlia Culture, Little Book of Modern. By W. H. Waite. 126 pages. Cloth 1.65
Farm and Garden Rule-Book. Bailey. Very useful for fruit growers, truck gardeners, farmers, florists, etc. Cloth; 587 pages 3.25
Fertilizers. By Prof. E. B. Vorhees. Cloth; 335 pages 2.50
Fertilizers. Gregory. Paper ..... .65
Floriculture. Practical. Henderson. Cloth; 320 pages 2.10
Flowers. Messages of, or their Floral Code. Cloth; with colored illustrations 1.10
Fruit Garden. Barry's. Cloth; 505 pages 2.25
Fruit Growing, The Principles of. L. H. Bailey. Cloth; 514 pages 3.25
Fruit Growing, Amateur. (Small Fruits.) A practical guide for home use and market. Cloth ..... .80
Gardening for Pleasure. Henderson. Cloth; 398 pages 2.10
Garden, Four Seasons in the. By Rexford. 307 pages 1.80
Garden Guide. Contains 384 pages and has over 275 instructive illustrations. Covers every step from spading the ground to preserving the harvest 1.65
Garden Making. By Prof. Bailey. Illustrated. Cloth; 411 pages 2.90
Garden for Vegetables, Preparation and Care of a. Compiled by J. D. Brumley and T. G. Grier. This book is particularly adapted to Northern Illinois 2.00
Gardening with Brains. By Henry T. Finck. Board; 170 pages 2.50
Ginseng, Its Cultivation, Harvesting, Marketing. Cloth; 40 pages ..... .95
Gladiolus Book, The. See bottom of next column 1.50
Greenhouse Construction. L. R. Taft. Illustrated. Cloth; 208 pages .. 2.35
Greenhouse Management. L. R. Taft. Illustrated. Cloth; 375 pages .. 2.35
Handbook of Plants. Henderson's. Cloth; 525 pages 3.25
Herbs, Culinary. By Kains. 150 pages 1.00
Home Vegetable Garden. Cloth; 105 pages; illustrated; by A. Kruhm 1.50
Iris, Manual of The. By C. S. Harrison. 42 pages ..... .30
Insects and Insecticides. By C. M. Weed. Illustrated. 334 pages 1.80
Irrigation for the Farm, Garden and Orchard by Stewart $1.65
Landscape Gardening, Practical. By Cridland. Illustrated. Cloth; 276 pages 2.50
Landscape Gardening. Prof. Waugh. Illustrated. Cloth; 150 pages ... 1.30
Lilies. H. S. Adams 1.35
Manual of Gardening. By L. H. Bailey. Illustrated 3.25
Manures, Methods of Making. By Bommer. Paper; 83 pages ..... .45
Manures, Talks On. By Jas. Harris. Cloth; 366 pages 1.90
Milady's House Plants. By F. E. Palmer. Illustrated. Cloth 1.10
Mushroom Growing. By B. M. Duggar. Illustrated. Cloth; 250 pp. 2.10
Mushrooms, How to Grow Them. Falconer. Cloth; 160 pages 1.70
Nursery Manual, The. By L. H. Bailey. Illustrated. Cloth; 12 mo. ... 3.25
New Onion Culture. By Greiner. Cloth; 110 pages ..... .90
Onions, Treatise On. By Gregory. Paper; 66 pages ..... .40
Peony, The. Illustrated. By C. S. Harrison. Paper; 69 pages ..... .30
Peony in the Little Garden. By Mrs. Edward Harding. An authoritative and farming book giving full directions for culture and criticism of varieties 1.75
Perennials, Little Book of. By Hottes. Cloth 1.60
Plant Breeding. By Bailey 3.25
Plant Culture. By Geo. W. Oliver, Propagator in the Bureau of Plant Industry, Dept. of Agriculture. Washington, D.C. 4th edition. 444 pages 3.65
Plant Propagation. Greenhouse and Nursery Practice, Cloth; 322 pages 2.35
Potato Culture, The A B C of. By A. I. Root. Paper; 285 pages ..... .50
Pruning Manual, The. By L. H. Bailey. Illustrated. 545 pages 3.25
Rhubarb Culture, The New. Morse. A complete guide. Cloth; 130 pp. .80
Rose, The. By H. B. Ellwanger. Cloth; 308 pages 1.85
Roses, How to Grow. Illustrated. Cloth; 189 pages 2.10
Soils. By S. W. Fletcher. Cloth 2.10
Strawberry Culturist. Fuller. Illustrated. Cloth ..... .50
Sweet Potato Culture. J. Fitz. 86 pages. Cloth ..... .90
Tobacco Culture. Paper; 50 pages ..... .40
Tomato Culture. A. I. Root. Paper; 150 pages ..... .50
Trees, Shrubs, Vines and Herbaceous Perennials. By Kirkegaard. Illustrated. 400 pages 2.60
Vegetable Forcing. By Watts; 400 pages; profusely illustrated. Cloth. 2.60
Vegetable Gardening. By Watts; illustrated; covers every phase of vegetable gardening; cloth 2.60
Vegetable Gardening, Principles of. L. H. Bailey. New edition. 475p. 4.25
Vegetable Gardening. Prof. Green. Cloth; 243 pages 1.50
Vegetable Garden. Vaughan's. Paper ..... .20
Window Flower Garden. Heinrich's. Illustrated. Cloth ..... .95
Woman's Hardy Garden, A. Illustrated. Cloth; 205 pages 2.50

The Book of Gladiolus

Complete and authoritative work on this most popular flower, clear and concise Written by Matthew Crawford and Dr. W. Van Fleet. Fully illustrated. 120 pages. Cloth $1.50

Prices include postage.

Basket Making Materials

On all following Basketry materials add postage to your order if to go by parcel post.

RAFFIA FIBRE FOR BASKETS, ETC.

The Raffia which we import is the finest grade to be obtained and should not he compared with the cheaper coarse material offered by many and used principally as tying material in gardens and nurseries. Besides the natural shade, we have it in 12 different colors, dark red, Irish green, olive green, pea green, navy blue, seal brown, orange, black, old gold, pink, purple, bright red, a sample of which will be mailed you upon request.

Natural, Best Grade, bunch, about 2 ozs $0.10
" " " per lb ..... .50
" " " 5-lb. lots, per lb ..... .45
Colored, bunch, about 1 oz ..... .10
" per lb 1.00
" 5-lb. lots, per lb ..... .95
Mixed Colors, bunch, 1½ ozs ..... .10
" " per lb ..... .80
Needles, for Raffia Work, per package ..... .15

BASKET BOOKS

Basket Making. Morse. Paper, 70 pages, illustrated. For beginners ... $0.50
How to Make Baskets is the title of a very instructive work. By Mary White. Bound in cloth, 194 pages, illustrated 1.50

BASKET BOTTOMS

Veneered Basket Bottoms for Reed weaving. Made exceptionally well of 3 and 5-ply panels. Well sanded and holes properly bored to fit uprights.

	Each	Doz.
3-inch Round	$0.06	$0.65
4-inch "	.08	.90
5-inch "	.10	1.10
6-inch "	.12	1.35
8-inch "	.17	1.95
10-inch "	.25	2.85
12-inch "	.30	3.40
3x6-inch Oval	.12	1.35
4x8-inch "	.18	2.05
6x10-inch "	.25	2.85
8x14-inch Oval	$0.32	$3.70
10x16-inch "	.38	4.40
12x20-inch "	.60	6.95
3-inch Square	.06	.65
5-inch "	.10	1.10
6-inch "	.12	1.35
8-inch "	.17	1.95
10-inch "	.25	2.85
12-inch "	.30	3.40

REEDS

Since the recent awakening to the importance of basketry, Reed has heen brought into marked prominence. Like Raffia, it is also a palm, growing to an astonishing height, and found mainly in China and the Philippine Islands. Nos. 1 to 7 are the common sizes, 6 and 7 being used for the coarser work.
Sample card mailed upon request.

	Bunch	½ Lb.	Lb.	5-lb. Lots Per Lb.
No. 1	$0.15	$0.68	$1.30	$1.25
No. 2	.15	.63	1.20	1.15
No. 3	.15	.58	1.10	1.05
No. 4	.15	.55	1.05	1.00
No. 5	.15	.53	1.00	.95
No. 6	.15	.53	1.00	.95
No. 7	.15	.50	.95	.90
Flat Reed, ⅜-inch	.15	.50	95	.90
Split Reed, No. 6	.15	.50	.95	.90

Vaughan's Hardy Perennial Plants

Vaughan's Special Offer of Hardy Plants in Variety

The plants in the following collections will be of the most desirable varieties and of the best quality, but in every instance the selection of varieties will be our own.

We cannot furnish list of varieties in these collections but will send out everything labeled.

No. 21—	Hardy	Plants	25	first class plants in variety, our selection for						$ 4 00
No. 22—	"	"	50	"	"	"	"	"	"	6 50
No. 23—	"	"	100	"	"	"	"	"	"	12 00
No. 24—	"	"	250	"	"	"	"	"	"	25 00
No. 25—	"	"	500	"	"	"	"	"	"	45 00
No. 26—	"	"	1000	"	"	"	"	"	"	85 00

Plants and Bulbs for Spring Effect

All the varieties of plants we offer in the following lists are especially desirable for **planting in the fall** with bulbs—more particularly with Daffodils, and Darwin and Cottage Tulips. The majority are of dwarf habit, perfectly hardy and produce striking effects as edgings or carpeting to beds or borders where bulbs are planted.

Parcel Post

The following are the approximate weights of plants which can be sent by Parcel Post. Parcel Post rates are given on page 48, and on order sheet of this catalog. Please add postage at zone rates.

	3 Plants	6 Plants
Plants, in 2½-inch paper pots	1 lb.	2-3 lbs.
Plants, in 4-inch paper pots	3-4 "	7-8 "
Perennial Plants, (Paper wrapped)	1½-2 "	3-4 "

Prices This Year are as Follows:

Plants priced at	per dozen	3 supplied for	Each
$2.00	.....	$0.65	$0.30
2.50	.....	.85	.35
3.50	.....	1.00	.40
4.00	.....	1.25	.50
4.50	.....	1.35	.55
5.00	.....	1.50	.65

ACHILLEA (Milfoil. Yarrow)

Achilleas are of easy culture and grow in any good garden soil. They are useful for the border, wild garden or shrubbery; also for cutting.

—**Parker's Variety.** 2½ to 3 ft. June-Sept. Clear yellow flower-heads. 3 for 85c; doz. $2.50; 100, $15.00.

—**The Pearl.** June-Aug. White. 2 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

AGROSTEMMA

—**Coronaria Varieties Mixed.** Attractive free-flowering, producing bright colored flowers on long, slender stems like a single pink; blooms the first season; fine for cutting; 1 to 2 ft. June-September. 3 for 85c; doz., $2.50; per 100, $15.00.

AJUGA (Bugleweed)

A useful plant for the rockery and for carpeting the ground, particularly in shady positions, as under trees where grass will not grow.

—**Reptans.** 3 to 4 in. May-June. Deep purplish blue flowers. 3 for 85c; doz., $2.50; per 100, $15.00.

ALYSSUM (Madwort)

Showy spring-flowering plants. Valuable for front row in border or rock garden.

—**Saxatile Compactum...** (Gold Dust.) May-June. Golden yellow. 1 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

ANTHEMIS (Marguerite)

These Hardy Marguerites are most satisfactory perennials, succeeding in the poorest soil. The flowers are yellow.

—**Kelwayi.** May-July. Yellow. 1 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

AQUILEGIA (Columbine)

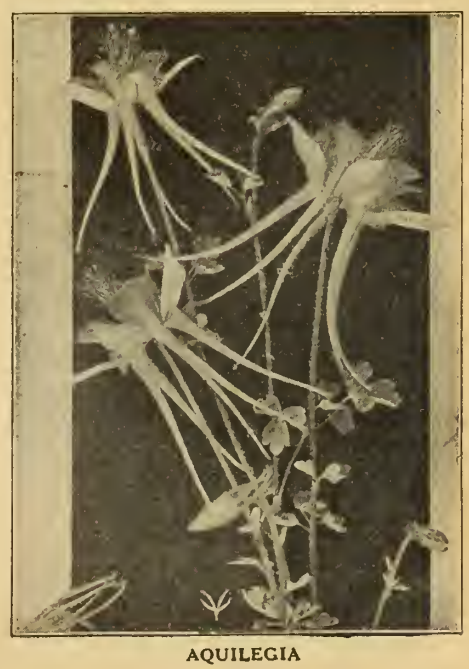
The Columbine is one of the most beautiful hardy perennials producing graceful spurred flowers on 2-foot stems. They are much prized for cut flower purposes making dainty decorations. They are one of the most important of our early hardy flowers and should be grown in quantity, being easy to establish and thriving in almost any situation. Our Long-Spurred mixed are selected from the very finest kinds, their colors vary considerably, but all are choice, free in habit and of great value for massing, and with their long stems are splendid for cutting.

—**Chrysantha.** June-Aug. Golden yellow. 3 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Chrysantha Alba.** June-Aug. Pure white. 3 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Mrs. Scott Elliott's Strain of Long Spurred Hybrids.** The flowers are very large and of distinct shades of blues, lavenders, mauves, whites, creams, pinks, reds, yellows, etc. Many of these colors being entirely new in the species and are the result of very many years careful hybridization. Plants, 3 for $1.00; doz. $3.50; per 100, $20.00.

—**Coerulea Rosea (Rose-Queen).** 2½ ft. Beautiful flowers of light to dark rose with white center and yellow anthers, a most delicate combination of colors. 3 for $1.00; doz., $3.50; 100, $25.00.



AQUILEGIA

Darwin Tulips planted among Perennial Plants make a gorgeous display in May.

COREOPSIS—Lanceolata

ARABIS (Rock Cress)

Charming dwarf spring-flowering plants of easy cultivation; valuable for beds, edgings.

—**Alpina.** 6 in. A most useful hardy perennial for spring bedding and rockeries. Early in the year the pure white flowers make a pleasing contrast in beds and borders with Alyssum saxatile compactum. 3 for 85c; doz., $2.50; per 100, $15.00.

ARMERIA (Thrift, Sea Pink)

A good plant for front of border, graves or rockery. Dwarf, compact, evergreen foliage. Excellent for cutting.

—**Laucheana.** May. Rose. 6 in. 3 for 85c; doz., $2.50; per 100, $15.00.

ARTEMISIA

—**Lactiflora.** 4 to 4½ ft. Sept.-Oct. A great acquisition to herbaceous borders or wild garden, producing elegant spikes of pure white flowers on stout stems; the whole plant has the appearance of a highly ornamental flowering shrub. Graceful for table decoration. 3 for 85c; doz., $2.50.

ASTER (Hardy)

Now fill a most important place in all bardy flower gardens, lighting up the borders and shruhberies with their masses and clouds of dainty and brightly colored blossoms throughout the autumn months up to November, when other flowers are scarce.

—**Alpinus.** Indispensable for the rockery or edge of hardy borders; grows 6 to 10 inches high and bears large showy bluish-purple flowers in May and June. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Joan Vaughan (New).** 2-3 ft. Finest double with very large mauve-blue flowers. 3 for $1.25; doz., $4.00.

—**Novae Angliae.** 3 ft. Sept.-Oct. Deep purplish blue. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Novae Belgae Climax.** Oct.-Nov. Lavender blue. 5 ft. 3 for 85c; doz., $2.50; 100, $15.00.

—**Climax White.** Oct.-Nov. Pure white. 5 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Maggie Perry (New).** 2-3 ft. Enormous flowers of a fine mauve color. 3 for $1.25; doz., $4.00.

—**Wells White.** 4 ft. September-October. Large white-flowering. 3 for $1.00; doz. $3.50; 100, $20.00.

—**St. Egwin.** Oct.-Nov. Pink. 2½-3 ft. 3 for 85c; doz., $2.50; 100, $15.00.

BOLTONIA (False Chamomile)

This tall hardy plant with tiny, aster-like flowers is useful for cutting, remaining in bloom a long time; requires good rich soil and an open situation in border or shrubbery.

—**Asteroides.** July-Oct. White. 4 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Latlsquama.** Delicate pink. 3 for 85c; doz., $2.50; 100, $15.00.

CAMPANULA (Bell Flower)

A large beautiful and most important family for the flower garden. The dwarf species are charming for rock gardens being, as a rule, not difficult to cultivate. Tbe habit of the plant as a rule is compact, ranging from 18 to 24 inches in height. They are most effective when planted in the mixed borders near the early Phloxes. Tbe Persicifolia varieties are good perennial plants. Pyramidalis is a tall growing species, sending up its stalks of bloom 5 to 6 ft. in height during Aug. and continuing to bloom for six weeks or more.

—**Carpatica.** (Harebell.). June-Aug. Blue. 1 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Carpatica Alba.** 9-in. July. Pure white. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Calycanthema, White.** (Cup and Saucer). June-Aug. White. 1 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Calycanthema, Pink.** (Cup and Saucer). June-Aug. Pink. 1 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Calycanthema, Blue.** (Cup and Saucer). June-Aug. Blue. 1 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Medium, White.** (Canterbury Bell). June-Aug. 1 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Medium, Pink.** (Canterbury Bell). June-Aug. 1 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Medium, Blue.** (Canterbury Bell). June-Aug. 1 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Persicifolia, Mixed.** 3 for 85c; doz., $2.50; per 100, $15.00.

—**Trachelium.** 2-3 ft. The nettle leaved bell flower crowded heads of lavender blue flowers. 3 for 85c; doz., $2.50; per 100, $15.00.

CARNATION (Hardy Carnation)

After a few years' trials, we bave proved these to be quite bardy witb ordinary protection. Large double red and white flowers, produced in succession all summer. Make excellent beds and are valuable cut flowers.

—**Grenadin.** Mixed. June-Sept. 1½ ft. 3 for 85c; doz., $2.50; per 100, $15.00.

CENTAUREA (Hardheads, Knapweed)

Perennial cornflowers, very hardy, flowers somewhat resembling thistle. Blossom in July-August.

—**Montana.** Blue flowers, somewhat resembling centaurea cyanus. 3 for 85c; doz., $2.50; per 100, $15.00.

CHEIRANTHUS

—**Allioni.** 1 ft. Fine rock or border plant with orange flowers. 3 for 85c; doz., $2.50; per 100, $15.00.

CHELONE (Barbatus Torreyi)

Long coral-red spike like a penstemon.

—**Barbatus Torreyi.** July-Aug. Coral red. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Coccineum.** Scarlet. 3 for 85c; doz., $2.50; per 100, $15.00.

CHIVES

Used for seasoning. 3 for 60c; doz., $1.50; per 100, $10.00.

CHRYSANTHEMUM (Hardy Daisy)

Fine hardy horder plants, their large Daisy-like flowers being produced in great profusion. They are splendid for cut flower purposes, lasting well. King Edward VII is an extraordinary flower.

—**King Edward VII.** June-July. White. 3 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Leucanthemum Flore Pleno (Double White Shasta Daisy).** Flowers double pure white of medium size, excellent for cutting. Each plant produces from 30 to 50 flowers. Perfectly hardy, without any protection. 3 for $1.25; doz., $4.00.

—**Mrs. C. Lothian Belle.** Large white daisy-like flowers. 3 for 85c; doz., $2.50; per 100, $15.00.

COREOPSIS (Tickseed)

One of the most popular hardy plants, the flowers are a rich golden yellow of a beautiful graceful form.

—**Grandiflora—Perry's Variety.** Large orange yellow, double and semi-double flowers. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Lanceolata.** May-Oct. Yellow. 2 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

DELPHINIUM (Perennial Larkspur)

Few plants are so handsome in the garden as the perennial Larkspurs. There are many species in cultivation, but the most important are the tall hybrids, of wbicb there are many varieties with a wonderful range of color. They are valuable for tbeir great variety in beight, varying from 1 to 6 feet, for their great variety in shades of color, varying from the palest lavender through every conceivable shade of blue to deep indigo. They thrive in almost any situation or soil and are easily increased, being perfectly bardy. A good, deep, ricb soil will repay witb larger and better flowers.

—**Chinese Blue.** 2 ft. Pure blue in branching dwarf spikes. Very graceful for cutting. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Chinese Album.** 2 ft. Pure white. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Belladonna.** Sky blue. June-Aug. 3 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Bellamosum.** This is a dark form of the popular light blue Belladonna with which it is identical in habit and growth, freedom of bloom and other good qualities, but intensely rich deep blue flowers. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Formosum.** July-Sept. Blue with white eye. 4 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Indigo.** (New.) 4 ft. Pure indigo blue. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Gold Medal Hybrids.** This strain is specially grown for us, the seed being saved from selected plants. All inferior colors and types are discarded. Many of them are double flowered, and range in color from pale lavender to indigo blue. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Lamartine.** July-August. Dark blue, 3 ft. 3 for $1.00; doz., $3.50.

DAISY (Shasta)

Alaska. 2 ft. Wonderful show of large white flowers. Fine for cutting. Blooms all summer. 3 for 85c; doz., $2.50; per 100, $15.00.

DIANTHUS (Hardy Garden Pink)

These very desirable sweet-scented, low-growing, early blooming and free flowering Hardy Garden Pinks are unequalled for the borders of heds, carriage drives, and the old-fashioned garden, and should be planted in quantity in any good garden soil witb full sun and an open situation.

—**Caesius (Cliff Pink).** Flowers delicare rose color, fragrant. 3 for 85c; doz., $2.50; per 100 $15.00.

—**Dentosus Hybridus.** A red Siberian variety flowering in July, known as the Amoor Pink. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Vaughan's Special Mixture.** May-Oct. 15 in. 3 for 85c; doz., $2.50; per 100, $15.00.

CAMPANULA—Medium

GYPSOPHILA—Peniculata Flore Plena

DIANTHUS BARBATUS

(See Sweet William)

DIELYTRA SPECTABILIS

(Bleeding Heart or Seal Flower)

An old-fashioned favorite its long racemes of graceful heart-shaped pink flowers are always attractive; it is used largely for forcing and is perfectly at home in any part of the hardy border, and especially valuable for planting in the shade. Strong roots. Each, 75c; doz., $8.00.

ECHINACEA (Coneflower)

—**Purpurea.** 4 ft. A very handsome border plant bearing large heads of rosy purple flowers, and dark central disk. 3 for 85c; doz., $2.50 100, $15.00.

ECHINOPS (Globe Thistle)

Handsome, strong-growing plants with thistle like leaves and globe-shaped bristly flowers.

—**Ritro.** 3 ft. Metallic blue flower heads. 3 for 85c; doz., $2.50; 100, $15.00.

ERIGERON (Flea Bane)

Valuable summer flowering plants with elegant single aster-like flowers, much prized for cutting. Amos Perry is a new and much improved variety.

—**Amos Perry.** June-Oct. Lavender blue. 1 ft. 3 for $1.00; doz., $3.50.

EUPATORIUM (Thorough Wort)

Strong growing border plants suitable for cutting. They bear minute white flowers in dense heads; ordinary garden soil suits them.

—**Coelestinum.** September-October. Light blue 2 ft. 3 for 85c; doz., $2.50; 100, $15.00.

—**Purpurea.** Pink flower, purple stalked. 3 for 85c; doz., $2.50; 100, $15.00.

EUPHORBIA

—**Polychroma.** 1 ft. Leaves oblong and dark green, floral leaves different shades of yellow at flowering time. Grows into fine compact bush. Little known but very desirable. 3 for 85c; doz., $2.50; 100, $15.00.

FUNKIA (Day Lily)

Very attractive plants with broad overlapping leaves of various markings; very ornamental, surmounted by dainty lily-like flowers in terminal racemes. Effective in front of shrubbery, under trees, or any shady position where they thrive best.

—**Lanceolata.** August. Dark blue. 1 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Variegata.** 3 for 85c; doz., $2.50; per 100, $15.00.

GAILLARDIA (Blanket Flower)

Gaillardias are fine for bedding and borders, invaluable as a cut-flower, remaining in bloom the entire summer.

—**Grandiflora Mixed.** June-Oct. Mixed. 1½ ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Semiplena.** Double row of petals, yellow, with red center. Plants, 3 for 85c; doz., $2.50; 100, $15.00.

—**New Hybrids.** Very large flowers in a great variety of colors. 3 for 85c; doz., $2.50; 100, $15 00.

GYPSOPHILA

Large graceful sprays of white flowers; splendid for cutting and for drying for winter boquets.

—**Paniculata.** (Baby's Breath). July-Aug. White. 1½ ft. 3 for 85c; doz., $2.50; per 100, $15.00.

HELENIUM (Sneezewort)

Delightful perennials allied to the Helianthus (Sunflower). Splendid and lasting as cut flowers.

—**Autumnale Superbum.** 5 ft. Large clear light yellow, flowers in September. 3 for $1.00; doz., $3.50; 100, $25.00.

—**Hoopesii.** 2 ft. May-July. Rich orange yellow. 3 for 85c; doz., $2.50; $100, $15.00.

—**Riverton Beauty.** Rich lemon yellow, with a large purplish cone. 3 for $1.00; doz., $3.50; 100, $25.00.

HELIOPSIS

A very brilliant border plant, resembling a double sunflower; flowers double yellow; an excellent cut-flower.

—**Gratissima.** June-Aug. Double yellow. 2½ ft. 3 for 85c; doz., $2.50; per 100, $15.00.

HELIANTHUS (Hardy Sunflower)

Hardy, perennial Sunflowers flourish splendidly in any garden city or country. They are a beautiful race of sturdy, showy plants, invaluable for cutting, as they last so long in water.

—**Multiflorus Plenus** (Dahlia Sunflower). Aug.-Sept Double yellow. 5 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

HEMEROCALLIS (Yellow Day Lily)

The Day Lilies are magnificent hardy plants and are undoubtedly among the finest plants for ordinary garden culture, as they will grow anywhere in either partial shade or full sun. The flowers are produced in spikes of from six to a dozen blooms, opening in succession, and are very useful when cut for indoor decoration. Good for borders, shrubberies, wild garden or naturalizing in grass.

—**Aureole.** Orange shaded with crimson. 3 for 65c; doz., $2.00; per 100, $10.00.

—**Critrina.** June-July. Pale Citron yellow. 2 ft. 3 for 65c; doz., $2.00; per 100, $10.00.

—**Dr. Regel.** Handsome rich orange-yellow, flowers in May; very fragrant; fine for cutting. 3 for 85c; doz., $2.50; 100, $15.00.

—**Flava.** July-Aug. Yellow. 3 ft. 3 for 65c; doz., $2.00; per 100, $10.00.

—**Kwanso, fl. pl.** June-July. Coppery red, double. 3 ft. 3 for 65c; doz., $1.75; per 100, $10.00.

—**Sovereign.** June-July. Chrome yellow. 3 ft. 3 for 65c; doz., $2.00; per 100, $10.00.

HYPERICUM (St. John's Wort)

A splendid new shrub-like plant of pendulous spreading habit. The flowers are golden yellow over 2 inches in diameter, like immense single buttercups. A most desirable plant for sunny situations.

—**Moserianum.** July-Sept. Golden yellow. 3 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

LAVENDULA

Delightfully fragrant flowers, much used when dry on account of their sweet odor.

—**Vera.** (True Lavender). June-Aug. Blue. 2 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

LINUM (Flax)

—**Linum Austriacum.** Flowers small, light blue, blooming all summer. 3 for 85c; doz., $2.50; 100, $15.00.

LOBELIA

—**Cardinalis (Cardinal Flower).** 2 ft. July-October. Brilliant fiery scarlet flowers, prefers moist position. 3 for 85c; doz., $2.50.

—**Syphilitica.** 3 ft. Fine spikes of blue flowers. 3 for 85c; doz., $2.50.

LYCHNIS (Jerusalem Cross)

Highly ornamental plants for summer, valued for cut flowers and border plants.

—**Chalcedonica.** June-Sept. Orange scarlet. 2-3 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

LYSIMACHIA

—**Nummularia (Creeping Jenny or Moneywort).** Valuable for planting under trees or shrubs where grass will not grow. 3 for 85c; doz., $2.50; 100, $15.00.

MERTENSIA (Blue Bells or Virginian Cowslip)

A lovely plant for choice spots in borders, or rock gardens, preferring a southwest aspect; will thrive in any good soil and in the shade.

—**Virginica.** May-June. Light blue. 18 in. 3 for 85c; doz., $2.50; per 100, $15.00.

MONARDA (Bergamot or Bee Balm)

Fine for naturalizing in woods and shrubbery; bearing large whorls of flowers and fragrant foliage; good for bees. Sandy loam and sunny position. Fine for masses.

—**Didyma.** June-Sept. Brilliant scarlet. 3 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

MINT

—Old-fashioned, hardy, useful plant. 3 for 65c; doz., $2.00; 100, $10.00.

NEPETA

These little plants give clouds of bright blue flowers all summer. Makes a fine permanent edging and an excellent rock plant.

—**Mussini.** May-Sept. Light blue. 1 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

PAPAVER NUDICAULE (Iceland Poppy)

Elegant free flowering plants bearing flowers in abundance all summer.

—**White, Yellow and Orange.** 3 for 85c; doz., $2.50; per 100, $15.00.

—**Mixed.** 3 for 85c; doz., $2.50; per 100, $15.00.

PAPAVER Orientale—(Oriental Poppy)

For gorgeous coloring the Oriental Poppies have few rivals among hardy plants. They produce magnificent effect in shrubberies and herbaceous borders, while for cutting they are invaluable. 3 ft.

—**Royal Scarlet.** 3 for 85c; doz., $2.50; per 100, $15.00.

PENTSTEMON (Beard Tongue)

The pentstemons bloom persistently through the summer, and are found very useful for cut-flowers, or for color masses in the garden. Easily grown in any garden soil.

—**Digitalis.** 2 ft. June-July. Purple and white. 3 for 85c; doz., $2.50; 100, $15.00.

PHYSALIS

—**Franchetti (Chinese Lantern Plant).** 1½ ft. Flowers yellow with dark center. Produces balloon like husks, which turn bright red when ripe and resemble Chinese lanterns. 3 for 85c; doz., $2.50; 100, $15.00.

POPPY—Oriental

1. CHERUBIN
2. VIOLACEA GRANDIFL.
3. CAPRICE
4. JEANNE d'ARC
5. ALCAZAR
6. ISOLINE
7. MONSIGNOR
8. ARCHEVEQUE
9. PROSPER LAUGIER

Vaughan's Iris

Flag Iris or Fleur de Lis

THESE Irises are all sun lovers and delight in a well-drained situation. They are all deliciously fragrant, large and handsome, more or less beautifully mottled in the "Standards" and veined in the "Falls," while the beards range from delicate primrose to orange. Their beauty at first sight rivals that of the Orchid, but, on closer examination, we have no hesitation in saying they yield points of interest not to be found in the whole of the Orchid family. Those who have not used these Irises for surrounding lakes and ponds, or cultivated them in the flower borders, shrubberies, woodland walks and wild gardens, should do so. If planted around ponds or lakes, they should be placed well above the water level.

PLANTS BY PARCEL POST—If to be sent by parcel post, add postage as follows: Single plants; **5c**; 3 plants, **10c**; 6 plants, **15c**; 12 plants, **25c**. We accept no responsibility for delays or conditions that may prove injurious to the contents.

PLANTS BY EXPRESS—We recommend this mode of transit where quantities are over 18 to 24 plants. We pack carefully, but accept no responsibility for delays over which we have no control that may cause injury to the contents.

"S" refers to the three standard, or upright curling petals; "F" to falls or drooping petals.

The figures preceding the varieties are the rating given to them by the Iris Society, 10 being the highest rating used in judging.

Iris are the most effective if planted 3 of a kind in a clump

Relative Prices are as Follows:

Plants priced at	Each	3 supplied for	per doz.
$0.25		$0.65	$2.00
.30		.80	2.50
.35		.90	3.00
.40		1.10	3.50
.45		1.25	4.00
.50		1.45	4.50

Write for special prices on larger quantities.

Cultivation. Iris require little cultivation other than to keep out weeds. Most varieties thrive best in dry, sunny locations and should not be watered too freely. In planting, the soil should just cover the rhizome and should be well packed. Fertilizer for the most part should be avoided, although a small application of finely ground limestone and bone meal once a year is beneficial. Dead Iris leaves and other accumulation should be removed and not allowed to be near the plants. Iris may be transplanted any time the ground is not frozen, but perhaps the most favorable time is at a dry period soon after they are through blooming.

Root Rot. This is a very destructive disease which softens the whole rhizome. The conditions under which this disease thrives are shade, poor drainage, and contact with decaying vegetable matter such as leaves and weeds or fresh manure. The remedy for this rot is to clean out the diseased portion and dust the rhizome with dry powdered gypsum. If one does not wish to lift the whole plant, the diseased part may be scooped out with an old spoon, scraped, and then gypsum applied in the cavity and around the rhizome.

Root Borers. The first indication of the root borer is yellow spots on the leaves, and if noticed in time, the worms may be killed by pinching the leaves. If, however, they eat their way down into the roots, the root should be removed and the worms cut out, then roots dusted with gypsum and replanted.

8.3 **Afterglow.** Large flowers of soft grayish lavender shading to rich yellow through the center. A thrifty, tall grower and free bloomer. Each, 75c.

9.4 **Ambassadeur.** 40 inches. "S" smoky bronze; "F" dark velvety maroon. A strong grower, carrying its large flowers well disposed on its stalks; petals of great substance. Vilmorin's finest seedling. Late. Each, $1.50.

8.3 **Ambigu.** 24 inches. "S" smoky red; "F" velvety reddish brown; beard orange yellow. A very fine variety with large flowers of rich coloring. Each, $1.00.

9.2 **Asia.** 45 inches. "S" pale silvery lavender deepening at the base to golden yellow. "F" pale reddish purple, lighter at the edges. Base of standards are heavily reticulated, beard bright golden yellow. Stems strong and vigorous, bearing large flowers of unusual substance and form. Each, $5.00.

9.4 **Ballerine.** 48 inches. "S" light violet blue; "F" a deeper shade. Very fragrant. The large flowers, 5 inches in height, are borne on strong, tall and slender spikes, are waved at the edge. Quite similar to Lord of June, but superior to it on account of its better keeping qualities. Early. Each, $2.00.

8.3 **Benbow.** 36 inches. "S" and "F" deep violet blue. Very large flowers; one of the best in the pallida group and the best of its color. Midseason. Each, $1.00.

Cecil Minturn. 24 inches. "S" and "F" a uniform soft shade of cattleya-rose. A beautiful flower, dome shaped, with broad ruffled petals. Each $2.00.

Chasseur. 36 inches. This is no doubt the finest yellow iris of European origin Very fine large flower of deep yellow, becoming lighter with age. Each $5.00.

8.6 **Cluny.** 38 inches. "S" pale lilac blue; "F" slightly deeper with brown veinings at the base. Flowers of very large size, of fine form and well placed; a very desirable sort. Early. Each, 75c.

8.0 **Col. Candelot.** 36 inches. "S" smoky copper; "F" deep rich crimson. Flowers large and distinct in color. A vigorous grower and free flowering. Each, 75c.

New and Choice Varieties

8.7 **Crusader.** 42 inches. "S" light blue; "F" deep violet blue. The flowers are very large, broad-petaled and of great substance; they are freely produced. One of the best clear blues. Midseason. Each, $1.00.

8.3 **Dejazet.** 24 inches. "S" bronze rose with golden sheen; "F" reddish violet, the whole beautifully blended. Large, broad flower. Midseason. Each, 75c.

9.4 **Dominion.** A wonderful Iris in a category of its own, and the forerunner of a new race on account of the extraordinary development of the fall. "S" Dauphin's blue or light bluish-violet, large, erectly held, well developed and slightly veined. "F" of exceptional substance expanding at the base to a deep rich indigo-purple velvet. Slight veining at throat; conspicuous orange beard; broad blue-green foliage. Each, $10.00.

8.5 **Dream.** 36 inches. "S" and "F" soft clear pink. A beautiful Iris of pallida type. The large flowers are perfect in form and of great substance. Each, $2.00.

8.6 **Edouard Michel.** "S" deep red violet; "F" a slightly deeper tone. Flowers large and of fine shape and substance. The "S" are broad and frilled, the "F" are broad and large. Each, 75c.

8.5 **Grevin.** 26 inches. "S" violet shaded yellow; "F" deep purple. A strong grower with large, well formed flowers. Very attractive. Late. Each, $1.00.

8.3 **La Neige.** 24 inches. "S" and "F" pure glistening ivory white. The falls are carried stiffly horizontal, reminding one of a Japanese Iris. This is, in our judgment, the best of all whites. Each, $1.00.

9.6 **Lent A. Williamson.** 42 inches. "S" lavender violet; "F" velvety royal purple. The flowers are of gigantic size; it is tall and luxuriant grower and the flowers are freely produced. Each, $1.00.

IRIS OFFER No. 28

One each of above 35 new Iris for $50.00, prepaid.

9.0 **Leverrier.** 42 inches. "S" light purple; "F" rich velvety pansy-violet. A magnificent Iris of vigorous growth, producing its mammoth flowers on tall branching stems. Each, $3.50.

9.1 **Lord of June.** 40 inches. "S" flappy lavender-blue; "F" rich violet blue. Flowers exceedingly large and handsome; very bold and vigorous habit. Each, $1.25.

9.1 **Magnifica.** 44 inches. "S" light purple on white; "F" dark reddish purple. A fine, strong plant with branching stems close to 4 feet tall. Flowers of heavy texture, measuring 6 inches high; stands heat well. Very fragrant. Midseason. Each, $2.00.

8.5 **Medrano.** 26 inches. "S" and "F" a beautiful dark, smoky claret, a very rare color. Flowers of large size. Early. Each, $1.50.

8.5 **Moliere.** 28 inches. "S" violet; "F" deep velvety violet; yellow beard. Early. Each, $1.00.

Mrs. Walter Brewster. 36 inches. "S" lavender blue; "F" aniline blue. This was awarded the Mrs. E. Harding prize at Paris in 1921 as the most meritorious introduction of that year. As many as six flowers are open at the same time, some over 6 inches long. Each, $2.50

8.1 **Neptune.** 38 inches. "S" bright pale blue; "F" rich dark purple. Flowers very large, borne on tall branching stems; very choice. Midseason. Each, $1.00.

8.7 **Opera.** 28 inches. "S" Bishop's (red) purple; "F" purple violet. A wonderful coloring. Each, $1.00.

Prospero. 48 inches. "S" pale lavender flushed with yellow at base; "F" deep red-purple with lighter shadings at margin. Heavily marked with brown at the haft. Deep orange beard. Vigorous tall-growing variety bearing enormous flowers of fine shape. Each, $1.50.

9.0 **Queen Caterina.** 40 inches. Pale lavender violet with orange beard. A strong grower; flowers large with domed standards and rounded, drooping falls. A splendid variety. Midseason. Each, $1.50

8.1 **Raffet.** 26 inches. "S" delicate soft lavender blue. "F" lavender-violet, brown markings at the haft on light ground. Late. Each, $1.00.

Vaughan's Iris

Rotura. "S" pale lavender blue; "F" same shade, suffused deeper blue at the center. Flowers borne on tall, well branched stems. Profuse bloomer. Each, $2.50.

8.3 **Seminole.** 30 inches. "S" soft violet rose; "F" rich velvety crimson, brilliant orange beard. One of the most outstanding sorts. Midseason. Each, $1.00.

9.3 **Souv. de Mad. Gaudichau.** "S" and "F" rich deep purple. This is without a doubt the most beautiful of all the deep purple Iris. The plants are vigorous, the stalks are tall and the magnificent flowers, of great size, form and substance, are freely produced and well placed. Early. Each, $3.00.

The Inca. 24 inches. "S" deep, clear saffron yellow; "F" velvety dark plum, edged with a golden band through center. An improved Peacock's Eye. Midseason. Each, $1.00.

Trianon. 28 inches. "S" nearly flesh; "F" yellow with a cast of blue. A novel and very delicate combination of colors. A vigorous grower and a free bloomer; flowers large and well formed. Late. Each, $1.00.

8.4 **W. J. Fryer.** 30 inches. "S" bright yellow; "F" deep maroon with narrow yellow border. An improved Iris King. Late. Each, $1.00.

8.9 **Alcazar.** "S" light bluish violet "F" rich velvety crimson purple. A very handsome Iris of good growth, producing tall, strong, widely branched flower stalks. The flowers are large and of good texture. Similar to Lent A. Williamson. Each, 40c.

8.3 **Amas.** "S" rich blue; "F" violet; very large and handsome, a very desirable sort. Each, 25c.

8.3 **Archeveque.** "S" deep velvety violet; "F" deep purple violet; an exquisite Iris; a wonderful bloom of finest texture. Each, 35c.

7.4 **Aurea.** "S" and "F" rich chrome yellow. Beautiful in form and one of the best clear yellows. Very free flowering. Each, 25c.

6.6 **Candelabre.** "S" mauve and purple, with spotted effect on inside; "F" violet, with white and black veins, unique candelabra-like form and rich coloring. Each, 25c.

7.5 **Caprice.** "S" reddish purple; "F" deeper, self-colored. One of the best red Irises, very similar to Edouard Michel. Each, 25c.

7.1 **Celeste.** Fine satiny blue. One of the most beautiful of hardy Irises of the older type. Each, 25c.

6.8 **Cherubin.** "S" pale lilac; "F" pale lilac, veined purple. Each, 30c.

7.5 **Dalmarius.** "S" pale gray-blue; "F" darker, shaded violet-brown; very distinct. Each, 25c.

7.6 **Dorothea.** An early dwarf flower of exceptional merit. "S" mauve, deeper in center; "F" soft blue, with orange veinings. Very fine. Each, 25c.

7.8 **Eldorado.** "S" bronze shaded yellow; "F" violet purple touched at sides with bronze yellow. A unique and brilliant color combination. Each, 25c.

8.0 **Fairy.** Beautiful white with blue border and veinings. Very sweet scented; not as well known as it should be. Each, 25c.

7.6 **Florentina Alba.** Large pure white with a trace of pale blue fragrant flowers. One of the earliest to bloom. Each, 25c.

6.5 **Gertrude.** Deep violet blue; very fragrant. Each, 25c.

7.3 **Her Majesty.** "S" a lovely rose pink; "F" deeper rose, heavily veined. Each, 25c.

8.6 **Isoline.** "S" lilac pink; "F" purplish old rose, with golden throat and yellow beard. One of the handsomest of the Iris family. Each, 35c.

7.9 **Iris King.** "S" old gold; "F" rich crimson bordered with gold; a very desirable variety; tall, with large flowers. Each, 30c.

7.0 **Jeanne d'Arc.** Flowers, large, petals broad, of a fresh clear lilac. "S" ruffled, spreading in manner of Japanese Iris; "F" pure white, bordered lilac. 3 ft. Each, 25c.

8.1 **Juniata.** Clear blue, deeper than Pallida Dalmatica. One of the tallest; flowers large and fragrant. Each, 35c.

7.8 **Kochi.** "S" and "F" rich claret purple, a very striking dark flower. Also sold as Black Prince, Midnight and Purple King. Very early. Each, 25c.

8.2 **Lohengrin.** Large, handsome pink silvery-mauve flowers. Each, 25c.

7.9 **Loreley.** "S" light yellow; "F" ultramarine, bordered cream. Very free blooming. Each, 25c.

6.1 **Maori King.** "S" golden yellow; "F" velvety maroon margined gold. A very distinct variety, grows only 18 inches high and is a late bloomer. Each, 25c.

7.8 **Mary Garden.** "S" pale yellow, flushed lavender; "F" creamy white, tinted and veined maroon. Each, 30c.

8.4 **Monsignor.** "S" bluish lavender; "F" violet with white pencilings at throat. Flowers of immense size and great substance. Blooms for a long time. One of the best. Each, 25c.

7.4 **Mme. Chereau.** One of the most beautiful of its class. The flowers are pure white, with a broad and irregular border of clear blue, and are borne on strong upright stems that are often from two to three feet tall. Each, 25c.

Mme. Pacquette. "S" and "F" bright rosy claret; very handsome; early flowering. Each, 25c.

6.8 **Mrs. H. Darwin.** "S" clear waxy white; "F" white, violet veins. Flowers of medium size, but are produced in great profusion. Each, 25c.

7.8 **Oriflamme.** "S" light blue; "F" violet purple. Flowers very large and handsome. A most desirable variety. Each, 50c.

8.8 **Pallida Dalmatica.** One of the most beautiful of all these Irises. Perfectly hardy, strong grower and very free flowering. Exquisite shade of lavender-blue. Very effective if planted among evergreens or in front of Spiraea Van Houttei. Each, 35c.

8.1 **Parc de Neuilly.** Deep violet blue. Very free blooming and effective. Each, 35c.

7.9 **Parisiana.** "S" white shaded and dotted lilac; "F" white, frilled with lilac at edge. Very distinct and pleasing. Each, 30c.

7.2 **Princess Victoria Louise.** "S" sulphur yellow; "F" plum color, bordered cream. A very uncommon and pleasing shade. The flower stalks are strong and the habit bold. Each, 25c.

8.3 **Prosper Laugier.** Midseason. "S" fiery bronze; "F" velvety ruby purple like a pansy bloom. Each, 35c.

8.4 **Quaker Lady.** "S" smoky lavender, shaded yellow; "F" ageratum blue and gold. A strong grower, odd and attractive. Each, 35c.

7.4 **Queen of May.** "S" Lilac pink; "F" Lilac, blended with white; distinct. Each, 25c.

8.4 **Rhein Nixe.** "S" white, very large; "F" rich violet purple with distinct narrow white edge. A charming flower. Beautiful in massed effects. Each, 25c.

7.6 **Sherwin Wright.** Early. "S" and "F" splendid golden yellow without shading or markings. Multiplies rapidly and is most satisfactory. Each, 35c.

7.6 **Stormcloud (Nuee d'Orage).** Very large flowers of grayish slate-blue, with bronze shading. "F" purplish blue. Very fine. Each, 25c.

7.4 **Tamerlane.** "S" pale violet; "F" deep purple. Magnificent, tall, bold, very unique. Each, 30c.

6.0 **Twilight (Crepuscule).** "S" and "F" delicate violet-purple, quite devoid of markings. Immense flowers on long stems. Highly recommended. Each, 35c.

8.0 **Violacea Grandiflora.** "S" and "F" clear violet blue. The best true blue. Each, 25c.

Walhalla. "S" lavender; "F" violet purple. A strong grower and free bloomer. Early. Each, 25c.

8.3 **White Knight.** A beautiful absolutely snow-white Iris without markings of any kind; delicately sweet-scented. It fulfills in every way its worthy name. Each, 50c.

VARIOUS IRIS

Sibirica Orientalis. (Yale blue.) A slender graceful, tall-growing Iris, with deep blue flowers. Each, 25c.

Sibirica Geo. Wallace. (Azure blue.) Falls marked white. Each, 25c.

Sibirica Snow Queen. Large, ivory white. Each, 25c.

Pumila Hybrida. Dwarf variety of German Iris, growing about 8 inches high, very free blooming, sweet scented. These bloom about two weeks before the German Iris.

—**Cyanea.** Rich royal purple with black shading. Each, 25c.

—**Florida.** "S" citron yellow, "F" deeper yellow beautifully veined. Each, 25c.

—**Schneekuppe.** Fine large white. Sometimes called Snow Cup. Each, 25c.

Iris Collections

No. 1
Newer Varieties

1 plant each, for $6.00

Cluny	Opera
Crusader	Prospero
Moliere	The Inca
Neptune	Trianon

No. 2
Choice Varieties, all over 9.0

1 plant each, for $10.00

Ambassadeur	Lord of June
Asia	Magnifica
Lent A. Williamson	Queen Caterina

No. 3
Popular Varieties, All Colors

1 plant each, for $2.00
3 plants each, for $4.50

Dorothea	Loreley
Eldorado	Mme. Pacquette
Gertrude	Monsignor
Jeanne d'Arc	Princess Vict. Louise
Lohengrin	Storm Cloud

No. 4
Giant Flowering Sorts

1 plant each, for $1.50
3 plants each, for $4.00

Alcazar	Storm Cloud
Isolene	Tamerlane
Monsignor	Twilight

No. 5
Tall Growing Varieties

1 plant each, for $1.50
3 plants each, for $4.00

Alcazar	Isolene
Jeanne d'Arc	Lohengrin
Juniata	Storm Cloud

No. 6
Lavender, Blue and Purple

1 plant each, for $1.50
3 plants each, for $4.00

Celeste	Pallida Dalmatica
Gertrude	Storm Cloud
L'Avenir	Violacea Graniflora
Monsignor	Zephyr

No. 7
Pink and Red Shades

1 plant each, for $1.50
3 plants each, for 4.00

Her Majesty	Archeveque
Isolene	Lohengrin
Queen of May	Mad. Paquette

No. 8
Bargain Collection

Two each, 9 varieties (18 plants) our selection, for $2.00, prepaid.

No. 9
Bargain Collection

Three each. 12 varieties (36 plants) our selection, for $3.00, prepaid.

Hardy Iris Special Mixture

Doz., $1.25 (postpaid); (by express at buyer's expense) per 100, $6.00; per 1,000, $50.00. (25 at 100 rate, 250 at 1,000 rate.)

Good Mixture

For large plantings and naturalizing, splendid value. Per 100, $3.50, per 1,000, $25.00. (By express at buyer's expense.)

PHYSOSTEGIA—Virginica

PHYSOSTEGIA (False Dragon Head)

Fine for a cool situation and rich, light soil, bearing erect spikes of pretty feather-like flowers. Useful for borders, wild gardens and for cutting.

—**Grandiflora.** June-Sept. Pink. 3 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Alba.** June-Sept. Pure white. 2 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

— **Virginica.** Dense bushes with spikes of delicate pink tubular flowers. 3 for 85c; doz., $2.50; per 100, $15.00.

PLATYCODON (Chinese Moon Flower)

Very handsome border plants of the Campanula family, the flowers in bud having the appearance of inflated balloons, they flower from June to September.

—**Grandiflorum.** Large, handsome deep blue flowers. 3 for 85c; doz., $2.50; 100, $15.00.

—**Album.** Pure white. 3 for 85c; doz., $2.50; 100, $15.00.

POLEMONIUM (Jacob's Ladder)

—**Reptens.** 8 to 10 in. April-June. Dwarf bushy plant of graceful growth. Showy blue flowers. Rock garden and fine border plant. 3 for 85c; doz., $2.50; 100, $15.00.

PYRETHRUM (Painted Daisy)

These are of great value for cut flower purposes, lasting in water longer than any flower we know. They are perfectly hardy, delighting in a cool, moist soil.

—**Carl Vogt.** The finest double pure white. 3 for $1.00; doz., $3.50.

—**Roseum, Single Mixed.** June. 18 in. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Uliginosum.** 4 ft. Large giant, daisy like, flowers in great profusion. 3 for 85c; doz., $2.50; per 100, $15.00.

RANUNCULUS (Buttercup)

Acris is the well-known double yellow buttercup so effective either as a cut flower or grouped in the Hardy borders. Repens is a showy plant bearing rosettes of double yellow button-like flowers during May and June. Likes a shady or partial shady situation in rich soil.

—**Acris fl. pl.** (True Buttercup). May-June. Yellow. 2 ft. 3 for $1.00; doz., $3.50.

RUDBECKIA (Cone Flower)

The Rudbeckias are very decorative plants for shrubberies, flower borders or side of carriage drives, thriving in any good garden soil. Golden Glow is perhaps the best known kind, although they are all worthy of a trial, especially the Purpurea for its wine-red color. See Echinacea.

—**Laciniata Compacta.** 2-3 ft. July-October. Yellow. 3 for 85c; doz., $2.50; 100, $15.00.

—**Laciniata fl. pl.** (Golden Glow). July-Oct. Yellow, 5-7 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

SALVIA

Beautiful plants, with long spikes of tubular blue flowers. Leaves of Officinalis used for seasonings and dressings. Pitcheri makes a grand showing in the fall and is without a doubt one of the best of all Autumn blue flowers.

—**Officinalis.** (Common Sage). 3 for 65c; doz., $2.00; per 100, $12.00.

—**Pitcheri** (Meadow Sage). Sept.-Oct. Deep blue. 3½ ft. 3 for $1.00; doz., $3.60.

SAPONARIA

—**Ocymoides Splendens.** 6 in. A showy dwarf trailing plant, producing a sheet of vivid crimson flowers. 3 for 85c; doz., $2.50; 100, $15.00.

SCABIOSA (Pincushion)

—**Caucasica Perfecta.** Flowers on long stem; fine for cutting. 3 for $1.00; doz., $3.50.

SEDUM

Fine plants for rock-gardens, ruins, banks and walls, preferring open, loamy soil and stones. They will, however, flourish anywhere in city or country and stand dry weather. They are especially suited to sunny locations.

—**Acre.** (Golden Moss). May-June. Bright yellow. 3 in. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Brilliant.** June-July. Scarlet. 6 in. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Rubrum.** June-Aug. Brilliant red. 6 in. 3 for 85c; doz., $2.50; per 100, $15.00.

SIDALCEA

Erect-growing, more or less branching plants, producing their showy flowers during June-July. They will succeed in any garden soil in a sunny position.

—**Rose Queen.** Beautiful rose-pink flowers. Very distinct. Plants, 3 for 85c; doz., $2.50.

SILENE (Catchfly)

Useful plants for front row of Herbaceous border, bearing quantities of bright flowers.

—**Schafta.** 4 in. July-October. Bright rose; one of the best Autumn border plants. 3 for 85c; doz., $2.50; 100, $15.00.

SPIRAEA (Meadow Sweet)

Filipendula fl. pl. is good for front row in hardy border or edging. Graceful plants, both in flower and foliage. The graceful plumes of Venusta are a handsome sight when in full bloom.

—**Filipendula fl. pl.** (Dropwort). June-July. Double white, 18 in. 3 for $1.00; doz., $3.50 100, $20.00.

STATICE (Sea Lavender)

Spreading panicles of everlasting flowers which are much prized for Winter decoration. They are graceful plants for the border; require sandy soil and full exposure to the sun.

—**Latifolia.** July-Sept. Lavender. 2 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

STOKESIA (Stokes Aster)

—**Cyanea Alba.** Flowers like a giant cornflower, white. 3 for 85c; doz., $2.50; 100. $15.00.

SWEET WILLIAM (Dianthus Barbatus)

The varieties offered are an improvement on the old-fashioned kinds, inasmuch as the colors and size of flower are far superior, being grown from select seed. Sweet William looks fine in solid beds or masses and requires a good, rich, well manured soil to grow it to perfection.

—**Albus.** White. 3 for 85c; doz., $2.50; 100, $15.00.

—**Copper Red.** A new and rich color. 3 for 85c; doz., $2.50; 100, $15.00.

—**Diadematus.** One of the prettiest flowers; rose spotted and sprinkled with white. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Johnson's Giant.** June-Oct. Mixed, extra fine. 2 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Nigrescens.** Almost black. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Pink Beauty.** (Newport Pink) 3 for 85c; doz., $2.50; per 100, $15.00.

—**Scarlet Beauty.** A charming and distinct color. 3 for 85c; doz., $2.50; 100, $15.00.

—**Vaughan's Special Mixture.** A mixture of all the beautiful varieties here listed and others. This is sure to please in the varied and unique coloring and markings. 3 for 85c; doz., $2.50; per 100, $15.00.

THALICTRUM (Meadow Rue)

These stately plants should be more grown on account of their finely cut foliage, which much resembles that of Maiden-hair Ferns. Dipterocarpum is a beautiful and rare plant bearing light sprays of lilac flowers.

—**Adiantifolium.** June-Aug. Yellow. 8 in. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Dipterocarpum.** Aug.-Sept. Lilac Mauve. 4 ft. 3 for $1.00; doz., $3.60; per 100, $18.00.

—**Flavum.** Common yellow variety. Flowers in June. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Glaucum.** Fine cut glaucus foliage. Bronze yellow, flowers in June. 2 ft. 3 for $1.00; doz., $3.50; 100, $20.00.
July. Plants, 3 for 85c; doz., $2.50; per 100, $15.00.

THERMOPSIS

—**Caroliniana.** A showy, tall growing plant, attaining a height of 3 to 4 feet, producing long spikes of yellow flowers in June and July. Plants, 3 for 85c; doz., $2.50; per $15.00.

TRADESCANTIA

—**Virginiana Spiderwort.** Long grass-like leaves and blue or violet flower. 2 ft. May-Aug. 3 for 85c; doz., $2.50; per 100, $15.00.

TRILLIUM (Wake Robin)

One of the most beautiful of our native flowers. Hardy everywhere. Should be planted in partial shade. Splendid for naturalizing in moist shaded places. Flowers are pure white.

—**Grandiflorum.** May-June. White. 12 in. 3 for 65c; doz., $1.50; per 100, $8.00.

VERONICA (Speedwell)

Among the prettiest of herbaceous plants, bearing in most cases blue flowers, which are much needed.

—**Amethystinum.** June-July. Blue. 2 ft. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Rupestris.** Heavenly Blue. Early. 3 for 85c doz., $2.50; per 100, $15.00.

—**Spicata Alba.** June-July. White. 18 in. 3 for 85c; doz., $2.50; per 100, $15.00.

—**Spicata.** 2 ft. July-Aug. Small spikes of rich blue flowers. 3 for 85c; doz., $2.50; 100, $15.00.

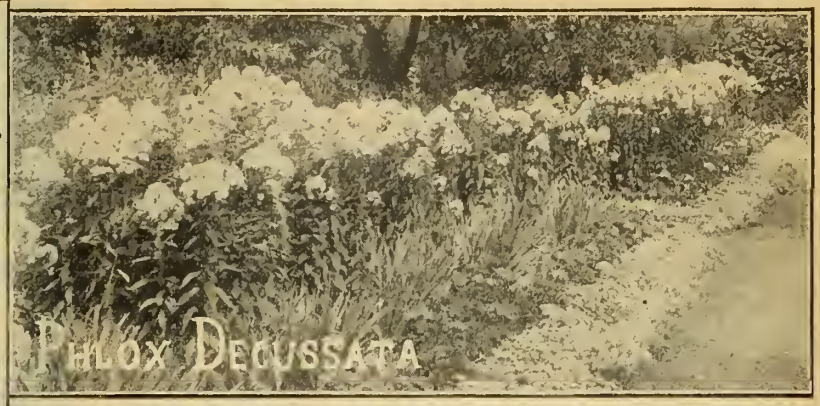
YUCCA (Adam's Needle)

A charming plant to group in the hardy flower border, cemetery or as specimens on the lawn.

—**Filamentosa.** June-July. Pure white. 4-5 ft. 3 for 85c; doz., $3.00; per 100, $15.00.
3 year, 3 for $1.25; doz., $4.00.

PYRETHRUM—Roseum

Weights of plants to go by Parcel Post are given on page 25.



Hardy Phlox

PHLOX DECUSSATA

Dwarf and Alpine Phlox

THIS is one of the most useful flowers for summer decorations, the colors varying from pure white to deep crimson. They are not at all particular as to soil, and are exceedingly hardy. To obtain good results it is wise to manure the soil well and give them a fairly open situation, and an occasional soaking with water during very dry weather. Once planted they require no further attention for several years, but it is advisable to renew them about every fifth year.

The flowering period is from the early part of July to the middle of September and they grow to heights varying from 1 to 3 and even 4 feet. If the first flower spikes are cut off as soon as over, and the plants are given a good soaking, a second crop of bloom extending until late in the fall may be expected.

Our collection contains the finest of the new introductions. The colors are very beautiful and striking, and the individual flowers are in many cases twice and thrice the size of older varieties.

Letters and numbers immediately following the varieties, indicate time of flowering and approximate height as follows:

(1)	Early	(D)	Dwarf
(2)	Midseason	(M)	Medium
(3)	Late	(T)	Tall

Our prices are for one-year field-grown plants.

The blue, lavender and orange colored ones should be planted in semi-shade, as the sun often bleaches out the colors in a short time.

THESE are remarkable for their dense prostrate habit and mass of bloom in spring and early summer. They are splendid subjects for the fronts of borders and graves. They are quite distinct from the Phloxes offered on this page.

Divaricata Canadensis. One of our native specials which is worthy of extensive planting, commencing to bloom early in April and continuing through May, with large fragrant lavender flowers on stem 10 inches high. 3 for **65c**; per dozen, **$2.50**; 100, **$15.00.**

Subulata Alba. A compact mass of elegant prostrate foliage, dainty white flowers in May and June; height, 4 in. 3 for **85c**; per dozen, **$2.50**; per 100, **$15.00.**

Subulata Rosea. Same as above, but with dainty pink flowers. This and Alba are fine for graves. 3 for **85c**; per dozen, **$2.50**; per 100, **$15.00.**

Vaughan's Seed Store, Chicago, Ill.
Dear Sirs:
The Tulip bulbs I received from you last year were fine. Every bulb blossomed and to say the least, I was more than pleased.
Yours truly,
(Signed) MRS. A. J. TRELSTAD.

Antonin Mercie. (M 2) A beautiful grayish lilac with white center. A favorite among the light varieties. 3 for **$1.00**; doz., **$3.50.**

Bacchante. Tyrian rose with crimson-carmine eye. 3 for **85c**; doz., **$2.50**; per 100, **$15.00.**

Baron Von Dedem. (T 2) Brilliant orange-scarlet with immense trusses and individual flowers. 3 for **85c**; doz., **$2.50**; per 100, **$15.00.**

B. Comte. Brilliant, rich and highly pleasing to the eye; French purple. 3 for **$1.00**; doz., **$3.50**; per 100, **$18.00.**

Bridesmaid. Pure white with large crimson-carmine eye. 3 for **85c**; doz., **$2.50**; per 100, **$15.00.**

Deutchland. Large trusses of brilliant dark orange-red flowers. 3 for **$1.00**; doz., **$3.50.**

Eclaireur. (T 3) Brilliant rosy magenta with large lighter halo. 3 for **65c**; per doz., **$2.00**; per 100, **$12.00.**

Elizabeth Campbell. (D 2) Bright salmon-pink with lighter shadings and dark red eye; one of the handsomest and most attractive. 3 for **$1.50**; doz., **$5.00.**

Frau Anton Buchner. Pure white. Has a strong habit and produces flowers of an enormous size and perfect form. 3 for **85c**; doz., **$2.50**; 100, **$15.00.**

Goliath. Bright carmine-red with dark carmine center. 3 for **85c**; doz., **$2.50**; 100, **$15.00.**

Henry Munger. White with extensive carmine center. 3 for **65c**; doz., **$2.50**; 100, **$12.00.**

Hindenburg. Crimson-red with darker eye; very choice. 3 for **$1.25**; doz., **$4.00.**

Jules Sandeau. Dwarf; very large-flowering; pure pink. One of the finest. 3 for **$1.25**; doz., **$4.00.**

Miss Lassberg. (T 2) The purest white in cultivation. Extra fine. 3 for **$1.00**; per doz., **$3.50.**

Miss Lingard. (T. 1.) (Suffruticosa). Pure white; the earliest of all. Blooms all summer. Good for cut flowers. 3 for **$1.00**; per doz., **$3.50**; per 100, **$18.00.**

Mrs. Jenkins. A very free-flowering early variety of medium height, producing immense panicles of pure white flowers. 3 for **65c**; per doz., **$2.00**; per 100, **$12.00.**

Mrs. Millie Von Hoboken. Pure soft pink without eye. Large flower heads on long erect stems. A very fine novelty. 3 for **$1.50**; doz., **$5.00**

Prof. Virchow. Broad flat flowers; bright carmine with an overlay of orange-scarlet. 3 for **$1.00**; doz., **$3.50**; per 100, **$18.00.**

Rhynstrom. Beautiful rosy-pink color not unlike that of Paul Neyron rose. A good strong grower and free flowering. 3 for **$1.00**; doz., **$3.50**; per 100, **$18.00.**

Riverton Jewel. A lovely mauve-rose illuminated by a brilliant carmine-red eye. 3 for **$1.00**; doz., **$3.50**; per 100, **$18.00.**

R. P. Struthers. (T 2) Rosy-carmine with claret eye. 3 for **85c**; doz., **$2.50**; per 100, **$15.00.**

Siebold. An improved Coquilecot; vivid orange-scarlet. Somewhat brighter and a stronger grower. 3 for **85c**; doz., **$2.50**; 100, **$15.00.**

Thor A splendid variety of a lovely shade of a deep salmon-pink suffused and overlaid with a scarlet glow. 3 for **$1.00**; doz., **$3.50**; 100, **$18.00.**

Von Hochberg. (M 3) The ideal crimson. The richest of its color. 3 for **$1.00**; doz., **$3.50**; per 100, **$18.00.**

Wanadis Lilac with violet eye. 3 for **85c**; doz., **$2.50**; 100, **$15.00.**

Widar. Light reddish violet with very large white center. 3 for **$1.00**; doz., **$3.50**; 100, **$18.00.**

MIXED. 1 year field-grown plants of a choice mixture of colors. Un-named varieties. Our selection. 3 for **55c**; per doz., **$2.00**; 100, **$10.00.**

SPECIAL OFFER No. 31. One each of 10 varieties, our selection from above. All distinctly labeled for **$3.00** prepaid to 5th zone.

SPECIAL OFFER No. 31A. One each of 6 varieties (six plants), our selection. Distinctly labeled for **$1.75** postpaid to 5th zone.

SPECIAL OFFER No. 31B. Two plants each of 3 varieties (six plants), three distinct colors, our selection for **$1.50** postpaid to 5th zone.

HARDY PHLOX

Vaughan's Peonies

PEONIES, especially the modern introductions, are probably the most valuable, and most beloved of all perennial plants. Planted in sun or semi-shade, in single clumps or long beds; or bordering lawns, shrub rows, and carriage drives, they give a grand display of large fragrant blossoms of brilliant colors during June, followed by their exquisite foliage which is very ornamental during summer months. They are also most effective for home and table decorations, and last longer in water than many other perennials. Avoid buying cheap Peonies, they require just as much care as the better kinds, and are disappointing in the end.

Planting. Peonies may be planted only in the fall. Orders should be sent in at once so that we can forward when weather permits. Avoid planting too deeply, as this is often the cause of shy blooming; 2 or 3 inches of soil over the crown (eyes) being sufficient. We offer four sizes, viz.:—**2-Eye Divisions,** so designated; **Divided roots** (D) 3 to 5 eyes. (M) **medium sized roots,** 5 to 8 eyes. (L) **large sized roots,** 8 eyes and up.

The figures preceding the varieties are the rating given to them by the American Peony Society.

Peonies in the Little Garden. By Mrs. Edward Harding. This is a delightfully written book which epitomizes the experience of years, and provides entertainment, instruction and inspiration for the peony admirer. Postpaid, **$1.80.**

1. **FESTIVA MAXIMA**
2. **M. JULES ELIE**
2. **EDULIS SUPERbA**
4. **FELIX CROUSSE**

White and Light Varieties

8.8 **Alsace Lorraine.** Semi-rose; late midseason. Very large, flat bloom. Petals pointed and arranged like a water lily. Creamy white center of flower delicately tinted brownish-yellow. 2-eye, **$2.00;** D, **$3.75.**

8 7 **Avalanche (Albatre).** A magnificent flower which opens like a rose. Pure white with a few pencilings of carmine on the edge of center petals. Fragrant; crown type; late midseason. An old variety, but one that will stand comparison with anything there is. D, **75c;** M, **$1.20;** L, **$1.75.**

9.0 **Baroness Schroeder.** Rose type; late. White with shadings of flesh. This is one of the finest peonies. Its immense flowers of great substance with high chalice-shaped center are freely produced, lasting a long time. It is as sweet as the rose with the true June rose fragrance. D, **$1.50;** M, **$2.25.**

8.1 **Couronne D'Or.** Large, flat, semi-rose type. Pure white, with a ring of yellow stamens around a tuft of center petals, tipped carmine. Medium tall, splendid grower, free-bloomer. Late. D, **75c;** M, **$1.20;** L, **$1.75.**

7.8 **Duc de Wellington.** An old variety which, Mrs. Edward Harding says, is too often passed over. "Its sulphur-and-white coloring makes it desirable as one of the few yellow-tinted peonies. On a well established plant it produces truly handsome flowers." It is tall, bearing its large, fragrant flowers on upright stalks, blossoming freely. Late midseason. D, **50c;** M, **75c;** L, **$1.00.**

8.1 **Duchess de Nemours (Calot).** Sulphur-white with greenish reflex. Flower large, cup-shaped and beautiful in the bud. Splendid cut-flower variety. Midseason, follows Festiva Maxima; fragrant. D, **50c;** M, **75c;** L, **$1 00.**

9.3 **Festiva Maxima.** One of the old varieties which Mrs. Edward Harding says, "should be in every garden, large or small, lavishly arrayed or economically furnished. It is to the peony world what Pallida Dalmatica is to the iris world—the standard bearer of beauty, the foundation and beginning of all collections, the one variety that absolutely must not be omitted. If it were a scarce or new variety collectors would gladly pay any price to secure it." Flowers of white, dotted with carmine, are often 7 to 8 inches in diameter. D, **60c;** M, **90c;** L, **$1.20.**

9.1 **Frances Willard.** A perfectly-formed, large perfect flower. Opens an exquisite blush-white, with an occasional carmine touch, changing to pure white; of good substance; fragrant. 2-eye, **$2.00;** D, **$4.00.**

7.9 **Jeanne d'Arc.** Collar, cream-white, shaded with sulphur. Guards, pale lilac-rose, and full high brilliant pink center, with occasional carmine spots. A vigorous plant, and a very free midseason bloomer. Exquisitely fragrant. D, **60c;** M, **90c;** L, **$1.20.**

9.8 **Kelway's Glorious.** An extremely large flower, full of glistening white petals, the outer edges of which are slightly crinkled and curved inward. The outside petals are flushed with pink, while it is fragrant, as Mrs. Harding says: "to an unbelievable degree." The roots increase slowly and the demand far exceeds the supply. Late midseason. 2-eye, **$15.00;** D, **$25.00.**

9.1 **Lady Alexandra Duff.** A grand peony resembling an enormous tea rose. Delicate pale-pink fading to white. Main flower large, cup-shaped, rose type. Blossoms form side buds often semi-double, exposing the anthers; fragrant. 2-eye, **$3.00;** D, **$5.00.**

8.3 **La Rosiere.** A dainty peony with rose-like flowers. It should not be disbudded, as sprays of its flowers are charming. It is semi-double, the outer petals pure white at center with a yellowish-white border. Midseason D, **$1.00.**

7.5 **La Tulipe.** Very large shell-formed bloom; delicate rose, fading to creamy white; center petals tipped with carmine; outside of guard petals striped with carmine; late. D, **75c;** M, **$1.20;** L, **$1.75.**

9.9 **LeCygne.** (The Swan.) "One of the three finest peonies," says Mrs. Harding. The curving petals of this magnificent flower are arranged like the feathers on a swan's wing. "Symmetrical, globular of great size, fragrant, free-blooming, and milk-white," continues Mrs. Harding, "LeCygne stands by itself." It is unquestionably the finest white, and received the highest rating in the American Peony Society's referendum. 2-eye, **$8.00;** D, **$16.00.**

7.9 **Madame de Verneville.** Guard petals sulphur-white, center delicate flesh. Flowers very double and compact, imbricated; borne on long stems. Mrs. Harding says it has the fragrance of a rose. D, **50c;** M, **75c;** L, **$1.00.**

8.9 **Mme. Emile Lemoine.** This ranks among the highest. As the flower opens it has the cream-and-blush tinting of an oriental pearl, exquisite and delicate. It should be screened from the sun, or the flowers cut when in bud. The blossoms are very large, and imbricated, each petal overlapping the other. Midseason. D, **$1.50.**

9.4 **Mme. Jules Dessert.** One of the loveliest of peonies. A strong-growing, free-blooming plant, but of delicate coloring, which fades in a strong light. When the flower is cut just as the bud unfolds, and is allowed to open in a shaded room, wonderful tints of flesh, straw and white can be seen to perfection. Midseason. 2-eye, **$3.50;** D, **$5.00.**

8.5 **Marie Lemoine.** Delicate ivory-white; solid massive blooms of extra size; very late. D, **90c;** M, **$1.35.**

Minnie Shaylor. Semi-rose type, white with golden center. Said to be Shaylor's best seedling. Very choice and rare. 2-eye, **$25.00.**

8.3 **Mons. Dupont.** Very large, cup-shaped flower; ivory-white; center petals splashed with carmine. The golden stamens show at the base of the petals; fragrant; a strong grower; very tall; midseason. D, **$1.00.**

9.1 **Nymphaea.** Large flat flower of delicate creamy white. Notched at tip and edges somewhat rolled. Yellow stamens in center and a reflex of golden light through the whole flower. Midseason. 2-eye, **$5.00;** D, **$8.00.**

8.9 **Pleas' Jubilee.** Extremely large, flat flowers of ivory-white; petals long and narrow, loosely arranged, giving a feathery effect; large, rather flat flower; a strong grower and free-bloomer. Early. 2-eye, **$3.50;** D, **$7.00.**

6.8 **Queen Victoria.** Bomb type; early midseason. The best white for general use. A splendid cut-flower variety, being a good keeper and shipper for cold storage. D, **50e;** M, **75e;** L, **$1.00.**

Rose Shaylor. Large blooms, cream-colored, lighted with golden stamens, and often tinged throughout with pink, are held well above the foliage by tall stiff thick stems. An outstanding peony which is superb. 2-eye **$35.00.**

9.7 **Solange.** Ranked by Mrs. Harding with LeCygne and Walter Faxon as the three best peonies. She writes: "Until the lover of peonies knows Solange, his life is wasted, bare, uninteresting, impoverished, and lonely beyond all words to tell. Its flower is high built, compact, and composed of large, thick petals which closely overlap. The color is deep cream, tinged with amber throughout, with a touch of soft, salmon-pink glowing from its heart." 2-eye, **$3.50;** D, **$5.00.**

9.4 **Tourangelle.** Pearl-white, overlaid with delicate shades of golden-brown; flowers of unusual size, flat, borne on long stems. Must be well established to get best results. Exquisite in its color tints if shaded from the heat of the sun when opening. 2-eye, **$2.50;** D, **$5.00.**

Light and Dark Pink and Rose

8.6 **Albert Crousse.** Bomb-shaped; very large flower forming a perfect ball, delicate sea-shell pink; late. D, **$1.00.**

7.1 **Alexander Dumas.** Light violet-rose, of medium size. A creamy-white collar of narrow petals mingled with the white outer petals. A fine cut-flower variety and a good producer. Early midseason. D, **50e;** M, **75c;** L, **$1.00.**

8.7 **Claire Dubois.** Very large, double, globular flowers; color rich clear satiny pink, with glossy reflex. One of the most desirable pink peonies. Late midseason. D, **$1.00.**

7.7 **Dorchester.** Delicate salmon-pink, a color that is very rare in peonies. Flowers very late. D, **65c;** M, **$1.00;** L, **$1.25.**

7.6 **Edulis Superba.** This is one of our earliest varieties, usually coming into bloom on Decoration Day. Color is a bright clear mauve-pink, with silvery reflex. Flowers are of large size and very fragrant. D, **50c;** M, **75c;** L, **$1.00.**

8.7 **Elwood Pleas.** Rose type; late midseason. Very large, flat, full double flowers; color a shade lighter than La France; fragrant. 2-eye, **$2.50;** D, **$5.00.**

6.6 **Faust.** Guard petals and crown pink, fading to lilac-white, collar of narrow sulphur-white petals; midseason. D, **60c;** M, **90c;** L, **$1.20.**

8.9 **Georgiana Shaylor.** Flower very large, flat, pale rose-pink with a few flecks of crimson. A very high-class peony, a strong grower and midseason bloomer. 2-eye, **$4.00;** D, **$7.00.**

6.0 **Lady Leonora Bramwell.** Pale lilac-rose; center flecked crimson; fragrant; vigorous grower and free bloomer. A charming flower. Early Midseason. D, **50c;** M, **75c;** L, **$1.00,**

LIGHT AND DARK PINK AND ROSE—Continued.

9.2 **La Fee.** Very large, compact, globular flower. Rose-pink, with creamy white or straw-colored collar. Strong, tall grower, and free-bloomer. Very fragrant. Early. 2-eye, $8.00; D, $15.00.

9.0 **La France.** Soft appleblossom-pink, deeper at the base of petals; very fragrant. Flowers of largest size, globular, perfectly double, rose type. A strong, erect grower. 2-eye, $3.75; D, $7.00.

Lilian Gumm. Rose type; midseason. Deep pink reflecting mauve. Resembles La France, but has a stronger, better stalk. Very large and profuse bloomer. 2-eye, $5.00; D, $10.00.

8.1 **Livingstone.** Very massive solid light pink of the highest class. Rose-shape. Free. Vigorous bloomer and very late. D, $1.00.

7.7 **Madame De Vatry.** Crown type; midseason. Very large, finely formed bloom. Lilac-white guards and crown, sulphur-white collar of wide petals, center striped carmine. Splendid cut-flower variety and a fine bedding sort; fragrant. D, 60c.

8.5 **Madame Emile Galle.** Rose type; late midsummer. Flowers large, double, cup-shaped; color delicate shell-pink with touches of heliotrope and lavender. One of the most beautiful of the pink peonies. D, $1.00; M, $1.50.

7.7 **Madame Forel.** Immense, compact, bell-shaped bloom. Clear deep rose. Strong stems, very fragrant; late. D, 65c; M, $1.00.

8.4 **Margurite Gerard.** Large, compact, semi-rose developing into a crown with stamens. Very pale hydrangea-pink, fading to nearly white, central petals flecked dark carmine. Free, late. Extra. D, $1.00; M, $1.50; L, $2.25.

9.1 **Martha Bullock.** Under good cultivation this plant attains a height of five feet, and its extra large, cup-shaped flowers are a rich shade of pink throughout, a soft shell-pink outside, shading to a deep rose-pink in the center. The flowers are often 9 to 12 inches in diameter. 2-eye, $8.00; D, $15.00.

9.4 **Mary Woodbury Shaylor.** Midseason. Large cup-shaped flowers of a fresh, clear pink with a creamy colored collar and golden heart. Dwarf grower and profuse bloomer. 2-eye, $10.00; D, $15.00.

9.0 **Milton Hill.** Clear pink overlaid with sheen of delicate lilac. Very large bloom; excellent for cutting; a wonderful peony; late. 2-eye, $2.00; D, $3.00.

9.2 **M. Jules Elie.** This is by many considered the most beautiful of all peonies. The flowers are of immense size, globular in form. The color is glistening lilac-pink, shading to deeper rose at the base. The whole flower is overlaid with a sheen of silver. One of the best cut-flowers, being a splendid keeper. D, $1.00; M, $1.50; L, $2.00.

8.5 **Octavie Demay.** Very large, flat crown, guards and center delicate hydrangea-pink, collar almost white. Very fragrant, very dwarf; midseason. A wonderful peony. D, $1.00.

8.2 **Pierre Duchartre.** Rose type; late. Large, compact flowers of a delicate flesh pink; fragrant. D, $1.25; M, $2.00.

8.7 **President Taft.** A vigorous, strong grower, a profuse bloomer, every shoot being crowned by a big bloom. The flower is really of enormous size; there may be peony flowers as large, but none larger. The color is a delicate hydrangea-pink, completely enveloped in a halo of angelic white. The fragrance is delicious. It is certainly a glorious, gorgeous flower, very large and double. D, $1.50; M, $2.25.

8.9 **Rosette.** Delicate shell-pink shading to a salmon at base of petals and flecked crimson at the edges. Golden stamens are sometimes visible. 2-eye, $4.00; D, $8.00.

9.0 **Sarah Bernhardt.** This symmetrical plant of medium height is strong growing and erect. It bears profusely large rounded flowers of semi-rose type, fragrant and of a uniform mauve-rose throughout. It is fragrant. D, $2.50.

7.4 **Souvenir de Gaspard Calot.** Large compact, flat rose type blooms of uniform pale lilac-rose. Exquisite fragrance. A very tall and strong grower. Late. D, 75c.

7.6 **Souvenir de l'Exposition Universelle.** Rose type; late midseason. Very large; flat flower of violet-rose with silvery reflex and distinctly tipped silver; fragrant; free-bloomer, with spreading habit. D, 60c; M, 90c; L, $1.20.

9.8 **Therese.** A most desirable variety of a charming shade of violet-rose, changing to lilac-white. Develops a high crown, strong grower and very free-bloomer. A splendid addition to the midseason sorts of which it is one of the best. 2-eye, $3.00; D, $4.50.

7.8 **Triomphe de l'Exposition de Lille.** Large, imbricated flower; soft carnation-pink, with white reflex, carmine center; very fresh coloring. D, 75c; M, $1.20.

8.3 **Venus.** Crown type; midseason. Flowers large with compact crown; color a delicate shell-pink. Tall and free-blooming. D, $1.00.

Walter Faxon. Ranked by Mrs. Harding with Solange and LeCygne as the three finest peonies. "Here is the most delectable hue of pink displayed by any of the peonies outside of the tree peonies," she writes. It is a free-blooming variety, and grows strongly. Develops best in the house. It is very scarce. 2-eye, $3.50; D. $7.00.

Red and Crimson Sorts

8.5 **Adolphe Rousseau.** Very large, semi-double flowers of purple-garnet. Tall, vigorous flower with dark foliage, veined red. One of the darkest Peonies. D, $1.50.

7.8 **Augustin d'Hour.** Bomb type; midseason. Extremely large; showy, perfectly built bloom. Color very deep, rich, brilliant solferino-red with slight silvery reflex. It is a taller grower and larger flower then Felix Crousse. D, 75c; M, $1.20; L, $1.75.

8.6 **Cherry Hill.** Semi-rose type, midseason. Deep garnet with conspicuous sheen. Stems strong and erect. Does not burn. Was awarded silver medal of Massachusetts Horticultural Society and was highly recommended by the American Peony Society. 2-eye, $7.50; D $10.00.

7.1 **Delachei.** Rose type; late midseason. Violet-crimson; large, compact flower. A good red peony. D, 60c; M, 90c; L, $1.20.

7.8 **E. G. Hill.** Semi-rose type, early midseason. Flowers very large and double, borne in clusters. Color rich tyrian-red; petals edged silvery-rose. A very free bloomer, fragrant. This is one of our best reds. 2-eye, $1.50; D, $3.00.

8.4 **Felix Crousse.** Rose type; late midseason. Felix Crousse fills the bill. Its large, globular flowers, solid and compactly built from edge to center, are a rich, even, brilliant, dazzling ruby-red. Exceptionally fiery, bright and effective. D, 75c; M, $1.25; L, $1.75.

8.2 **Grover Cleveland.** Rose type; late. Rich dark crimson; a strong grower and very conspicuous on account of its rich color. D, $1.50.

8.8 **Karl Rosenfeld.** "A sturdy, all-around, bright red peony, lusty and free-blooming," says Mrs. Harding. It is early, with large flower of the semi-rose type. D, $1.50; M, $2.25.

9.0 **Longfellow.** A brilliant crimson with a cherry tone. Perhaps the most brilliant of all the red peonies. Golden stamens show around the center petals. 2-eye, $3.50; D. $6.00.

6.9 **Louis Van Houtte.** Medium size, semi-rose type. Deep carmine-rose, tipped silver with a brilliant fiery reflex; medium late. D, 60c; M, 90c; L, $1.20.

Mme. Gaudichau. "A brilliant dark red of great garden value," says Mrs. Harding. "The flower is loosely built and many of the stamens show. Quite as decorative as the flower itself is the foliage which from the moment it emerges above the ground rivets the attention by its vivid redness. As the season advances the upper surface of the leaves becomes touched with bronze, the stems remain red all summer." 2-eye, $5.00; D, $10.00.

8.3 **Mad. Joanne Sallier.** Carmine-rose with occasional flecks on guards and center. Semi-double blooms of large size on tall strong stems. Early. 2-eye, $3.50; D, $5.00.

7.5 **Marechal Vaillant** (Grandiflora Rubra). Of immense size, light red, resembling the American Beauty rose; rose type; a strong grower; one of the largest red. D, 60c; M, 90c; L, $1.25.

8.7 **Mary Brand.** Vivid crimson of immense size; full double; a free-bloomer and a strong grower; delightful fragrance; midseason. 2-eye, $1.75; D, $2.00.

7.7 **Mons. Krelage.** Large, compact, semi-rose type. Dark solferino-red, with silvery tips. Slightly fragrant. Strong, upright, free-bloomer. Late. Very desirable. D, $1.00.

8.8 **Mons. Martin Cahuzac.** Medium sized, globular, semi-rose type. Dark purple-garnet with black reflex. The darkest peony known. Strong, vigorous grower; free-bloomer; midseason. 2-eye, $2.00; D, $4.00.

Officinalis Rubra Plena. This is the old-fashioned red, the most brilliant of all red peonies; early and splendid cut-flower. D, 75c; M, $1.25.

8.8 **Richard Carvel.** Immense globular bomb. Flower bright, all one shade of crimson. Guard petals large, broad and prominent. Early, tall, very stout stems, annual and profuse bloomer. Delicate fragrance which is rare among reds. The best of all early dark reds. 2-eye, $2.50; D, $4.50.

Japanese Flowered Peonies

These are entirely without pollen. The outer petals are a mass of filaments like a "Crown of Thorns" surrounded by a guard of petals.

Amo-No-Sode. Mrs. Harding says this is the handsomest pink Japanese peony she has ever seen. The flowers are large, of bright-rose, shading lighter toward the edge of the petals. 2-eye, $7.50; D, $10.00.

Distinction. Large, cup-shaped bloom; broad guard petals. Collar of clear violet-red, very narrow center petals; fimbriated and striated with golden lines. D, $1.50.

7.6 **Flashlight.** Light Tyrian rose guards with dull golden center. Strong erect grower of medium height. Early. 2-eye, $2.50. D, $4.50.

Gold Mine. Single row of deep rose guard petals; deep golden center. 2-eye, $2.50; D, $4.00.

Mikado. Guards velvety-crimson, forming a cup enclosing a filigree cushion of crimson petaloids, edged and tipped gold. D, $2.50.

Snow Wheel. Broad outer petals resembling the waxy white petals of the Camellia. A filiform center resembling beautiful aigrette feathers, the entire flower being a pure immaculate white without spot or blemish. 2-eye, $2.50; D, $4.00.

Some Ganoko. Rosy-crimson, edged cream, with tuft of hright yellow petaloids. 2-eye, $4.50; D, $7.50.

Taikoon. Very large, gorgeous amaranth-rose, brilliant and glossy. 2-eye, $4.00; D, $7.50.

Torpilleur. Guard petals lively purplish carmine; central filamentous petals of same tint but streaked and tipped with yellow. 2-eye, $2.50; D, $5.00.

Single Peonies

Clio. Large, cup-shaped single pink. Single row of wide petals encircling a mass of long golden pollen-bearing stamens, with pond lily fragrance. D, $1.25.
La Fiancee. Pure white; very large, tall. D, $2.00.
Perle Rose. Delicate clear china-pink with silvery edge. D, $2.50.
Prince Bismarck. Rich dark red-tall, very free. D. 75c.
Veloutine. Deep rose pink. D, $2.00.
Vesuve. Large brilliant dark red flowers with golden stamens. D, $1.00.

Un-named Peonies

Double White—
D, 40c; M, 60c; L, $1.00.
Double Red—
D, 50c; M, 75c; L, $1.25.
Double Pink—
D, 40c; M, 60c; L, $1.00.
Double Mixed—
D, 30c; M, 50c; L, 75c.

—DIVIDED ROOTS

Peony Collections—Divided Roots

COLLECTION 1A

Festiva Maxima. White.
Edulis Superba. Pink.
Mons. Julles Elie. Pink.
Felix Crousse. Red.
One each of the above, by express, for $2.50; by mail, postpaid, for $2.65.

COLLECTION 2A

Duchess de Nemours. White.
Delachei. Red.
Dorchester. Pink.
One each of the above, by express, for $1.60; by mail, postpaid, for $1.75.
Collection 1A and 2A, by express, for $4.00; by mail, postpaid, for $4.25.

COLLECTION 3A

Avalanche. White.
Karl Rosenfield. Red.
President Taft. Pink.
One each of the above, by express, for $3.50; by mail, postpaid, for $3.65.
Collection 1A, 2A, and 3A, by express, for $7.25; by mail, postpaid, for $7.50.

PEONY COLLECTION 4A—SURPLUS VARIETIES

Twelve different Peonies—4 white and light; 5 pink and rose; 3 red—all labeled to color, $4.00; by mail, postpaid, $4.50.

A COLLECTION OF THE BEST PEONIES

9.9 **Le Cygne.** White.
9.8 **Therese.** Pink.
9.7 **Solange.** Cream.
9.0 **Longfellow.** Red.
One each of the above, standard divisions, prepaid for $30.00.
One each of the above, 2-eye divisions, prepaid, for $17.00.

CROTON

Decorative Plants

FOR HOUSE AND CONSERVATORY

DRACAENA MASSANGEANA

THESE make excellent presents for birthdays, holidays, etc. Customers who wish to have any of these plants shipped or delivered may depend on getting choice plants. We shall be glad to attach cards if desired.

Besides the sizes we list, we have choice and larger plants, ranging in prices from **$2.00; $3.00, $5.00** and up to **$30.00** in some varieties.

Unless instructed to the contrary, all orders are forwarded by express at buyer's expense.

Plants by Mail. Small plants, **when ordered at the "each" price,** will be sent by mail when so desired, and it is practicable, the soil being entirely or partly removed and the roots carefully wrapped in damp moss. Small orders, accompanied by extra money for postage, will be sent by mail if so instructed; a list of postal rates for the different zones will be found on Page 48. Bulky plants such as large Roses, Shrubs, etc., we send by express only.

Plants by Express. We strongly urge this method of transportation, as it enables us to give better values in larger and finer plants and they will arrive in a more satisfactory condition. We add extra plants to help defray express charges.

Plants by Rail. Trees, Shrubs and other dormant stock can be forwarded safely by fast freight lines, even to very distant points, at low rates.

CALADIUM

DRACAENA TERMINALIS

Safe Arrival Guaranteed. We guarantee the safe arrival of all plants to any point in the U. S. A. or Canada when sent **by express.** If forwarded in any other manner they are entirely at the risk of the purchaser.

Important. All orders are shipped as soon as possible upon receipt. If instructions accompany the order, we will reserve plants for future shipment. This applies especially to plants ordered during freezing weather.

ASPIDISTRIA GREEN (Iron Plant). A popular plant for house decoration. One of the few plants that seem to thrive in the hot air of the living room. **Each, $2.00 to $5.00.**

ASPARAGUS Plumosus (Lace Fern.) Fine for table decoration. 2½-inch, **each, 20c; doz., $2.00;** 4-inch, **each, 35c; doz., $3.60.**

Sprengeri. Suitable for hanging baskets and porch boxes. 2½-in. pots. **Each, 20c; doz., $2.00.** 4-in. pots. **Each, 35c; doz., $3.60.**

BEGONIA, Alba Picta Rosea. Strong-growing variety with long green leaves; spotted silver; flower trusses bright rose-color. 2½-inch, **25c;** 4-inch, **50c** each.

Chatelaine Supreme. This variety is an improvement on Chatelaine, same color (silvery pink), but much larger flowers and a strong, vigorous grower. **Each, 35c.;** larger plants, **each, 50c.**

Luminosa. Bright scarlet flowers, dark-green foliage. 3-inch, each, **35c;** 4-inch, each, **50c;** 5-inch, each, **$1.00.**

Rex Begonia. The broad leaves, high colorings and exquisite markings of Rex Begonias makes them invaluable as a decorative plant for house culture. 6-inch, each, **$1.00,** (by express).

CHRYSANTHEMUMS. Bush plants in bloom, ready for delivery from October 20th to November 20th, in all colors.
$1.00; $1.50; $2.50; $4.00 and **$5.00 each** (by express.)

CROTONS. The richest of all variegated plants, fine for indoor culture.
Plants, **each 50 cents; specimens, each $1.00, $1.50, (by express).**

CYCLAMEN. Dark Crimson, Dark Rose, White and Pink. 4-inch pots. **Each 50c** to **75c;** 5-inch pots, **each $1.00** to **$1.50;** 6-inch pots, **each $2.00** to **$3.00.**

DIEFFENBACHIA Magnifica (Shining Comb.) Green foliage, variegated with white. **Each, 50c.** to **$1.50.**

DRACAENA Fragrans. An excellent house plant with broad dark green foliage, grows under the most adverse conditions. **Each, 75c** to **$3.00.**

Mandannia. Dark crimson foliage, broad leaves.
5-inch, **each, $1.75.**

Massangeana. A beautiful variegated form of Fragrans with broad green foliage, broad golden-yellow band through the center of each leaf.
Each, $1.00 to **$6.00.**

Terminalis. Rich crimson foliage, marked with pink and white.
Each, 50c to **$2.50.**

FERNS, Boston. Long, graecfully drooping fronds which frequently attain a length of six feet. Called by many the Fountain Fern. Deserves wide use as a house plant for tables or pedestals.

Verona. A handsome new variety of the Elegantissima type, somewhat resembling the N. Whitmani, but with finer ostrich plume foliage and with a stiffer midrib which makes the fronds stand up better than most varieties of the lace ferns.

Price of above ferns, **25 cents each; 3 for 65 cents, postpaid.** Larger plants, **50 cents, 85 cents, $1.75.** Specimens, **$3.00** to **$6.00. All by express.**

FICUS Altissima. In general appearance similar to Ficus Elastica but with smaller dark green glossy foliage with white veins. 4-inch, **each, 75c.**

Elastica (Rubber Tree). Well-known reliable plant for rooms and halls. Strong plants, **$1.00** to **$2.00 each,** by **express.**

FICUS Repens. A trailing or creeping variety with small foliage; useful for baskets. Small plants, **each 20 cents; 3 for 50 cents, postpaid.** Large plants, **each 35 cents.**

FUCHSIA Black Prince. A misnomer as far as the name is concerned, being of a bright, waxy-carmine; tube and petals large and broad, with pale green tips; large open pale-pink corolla.

Elm City. Sepals a rich crimson; coralla deep purple and very double, free-flowering and easy to grow.

Mrs. E. G. Hill. Compact grower, making a nice shapely plant, sepels bright crimson, white corolla, double.

Speciosa. A thrifty grower with ornamental foliage, the green leaves showing red veins at the base. Flowers single with pale-carmine sepals and deep-scarlet corolla.

Price of above Fuchias, 4-inch pots, by express. Each **35c;** doz., **$3.00.**

PALMS Kentia Belmoreana. 4 plants in pot, 16 to 18 inches high, each, **$3.00.**

Keatia Forsteriana. 4 plants in pot, 26 to 30 inches high, each, **$4.50;** 4 plants in pot, 30 to 34 inches high, each, **$7.50.**

Phoenix Roebelenii. A palm which has become one of the most popular for room decorations, has gracefully recurving leaves with narrow, dark-green pinnea. 5-inch pots, **$3.00.**

PANDANUS Veitchii. Variegated green and white. **$1.00, $2.00,** and **$3.00 each. (Exp.)**

POINSETTIA PULCHERRIMA. The well-known Christmas plant; forming scarlet bracts from 6 to 12 inches across. Small plants, **each 20c; 3 for 50c, postpaid,** up to November 1st. Larger, bushy plants, 5-inch, **$1.25;** 6-inch, **$1.75;** 7-inch, **$2.50.**

PRIMULA Obconica. No other winter-flowering plant can approach this beautiful Primula. The colors are perfectly clear and of great brilliancy, pure white Enchantress-pink, clear rose and brilliant carmine. 2½-in. pots. **Each, 20c; doz., $2.00.** 4-in. pots. **Each, 40c; doz., $4.20.**

BOSTON FERN

SANSEVIERA Zeylanica. An elegant variegated plant especially adapted for house decoration, the thick, leathery leaves standing the heat and dust of the house with impunity. **Each, 35c** to **75c.**

Laurentii. Resembles the Zeylanica except that it has a broad striking band of yellow down the edge of each leaf. 4-inch, **each, $1.00.**

SAXIFRAGA Sarmentosa. A useful trailing plant. 2½-inch, **each, 25c.**

SCILLA Maritima (Sea Onion.) An ornamental plant, the scaly layers of the bulbs being used for making Syrup of Squills. **Each, 25c and 35c.**

SOLANUM CLEVELANDI. This is a useful pot plant for winter decoration. It is of dwarf branching habit, leaves small and oval-shaped; bearing bright scarlet berries. 4-inch plants, **each, 60c;** 6-inch, **$1.00 by express.**

TRADESCANTIA Tricolor. (Wandering Jew). Most beautifully variegated purple, scarlet and white.
Each, 15c; doz., $1.50.

VERBENA. Lemon-scented. Delightful fragrance. **Each, 25c;** doz., **$2.00.** Large plants, **40c each.**

Ornamental and Flowering Shrubs

Visitors are invited to our nursery to inspect our stock of Ornamental Shrubs, Fruit and Shade Trees, etc. Our nursery is located at Western Springs, on Wolf Road, (15 miles west of Chicago on C. B. & Q. R. R.), two blocks South of 47th Street. Trains run hourly from the Union Station, Chicago.

AUTO ROUTE TO VAUGHAN'S GREENHOUSES AND NURSERIES

South on Ashland Boulevard to Roosevelt Road, west on Roosevelt Road to Ogden Avenue, southwest on Ogden Avenue past Douglas Park on brick pavement to Cicero Avenue (Western Electric on the right); jog left under viaduct, immediately right, still Ogden Avenue. Continue through Lyons straight on through LaGrange to end of road. For Nurseries turn left to 47th Street (edge of town). Turn right, Nursery starts one-half mile west; office one mile west and one-half mile south on East Boulevard, Western Springs. To Greenhouses, turn right at end of road at LaGrange, jog across track immediately. Continue to end of road where Greenhouses are located.

The Planting Season is limited by climatic conditions and by the stage of growth of the trees and plants. In Spring the planting season begins as soon as the frost is out of the ground sufficiently to permit digging, and continues until about June first. Toward the last of the summer the evergreens are the first to complete their growing season, and are usually ready for transplanting by the end of August. Deciduous trees and plants may be moved as soon as the leaves have performed their functions, which is generally at the time of the first frost in the fall, about the 15th of October. The fall season lasts until the ground becomes frozen too hard to allow digging, about December 1st.

A denotes shrubs which attain 9 to 12 feet in height at maturity.

B denotes shrubs which attain 5 to 8 feet in height at maturity.

C denotes shrubs which attain 1 to 4 feet in height at maturity.

Our Shrubs are transplanted every two or three years and are furnished with plenty of fibrous roots and should not be compared with stock that is seldom transplanted or never moved from cutting beds until sold.

Specimens. This term is applied to shrubs that are perfect both in height and diameter as well as shape, and are recommended where immediate effect is desired.

Non-Warranty. Most of the failures with trees and plants are due to improper planting, unfavorable soil or weather conditions, or other causes beyond the control of the nurseryman. Beyond the guarantee that all stock is in a live and healthy condition when it leaves our hands, we give no warranty as to description quality, productiveness or growth of any of the trees, plants, or shrubs that we send out, nor will we be in any way responsible for the results obtained through their use. Every order for articles named in this catalogue will be executed under these conditions only. It is obvious, however, that we can afford to send out only such stock as will not only grow well, but prove true to name and description.

SHIPPING DIRECTIONS. Shrub orders amounting to $8.00 and over and mixed orders, part shrubs and trees, (evergreens not included) amounting to $10.00 include prepayment either by express or freight, within limits of Chicago, otherwise Shrubs and Trees must be sent by express or freight, customers paying charges. Always give full and explicit shipping directions, as our responsibility ends on delivery of Shrubs and Trees in good condition to the freight or express office. All Trees, Shrubs and Plants shipped subject to customers assuming risk regarding State Entomology requirements.

ABOUT PRICES OF TREES AND SHRUBS

Where the price each is given, the following are our rates for 10 of a kind.

Each	10	Each	10
40c	$3.50	70c	$6.50
45c	4.00	75c	7.00
50c	4.50	80c	7.50
55c	5.00	85c	8.00
60c	5.50	$1.00	8.50
65c	6.00		

Less than 5 plants of a kind will be charged at the Each rate.

Where personal selection of any stock is made by customers at our Nursery we always charge according to its value.

No Trees, Shrubs or other perishable stock are sent C. O. D.

Ask for Pamphlet **"Planting Suggestions"** Useful advice **Free**

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots, and then plant at your leisure.

ACANTHOPANAX PENTAPHYLLUM (Aralia Pentaphylla) (B)

A pretty Japanese shrub of medium size, rapid growth, branches furnished with spines, leaves five-lobed. One of the best plants for shady corners, under trees and for city planting, where other shrubs do not survive on account of smoke, dust and soot. It is also readily shearable, and consequently adapted for hedge planting, its prickly branches and dense growth making it an impenetrable barrier 4 to 5 ft., **$1.00**; 5 to 6 ft., **$1.25.**

ALMOND DOUBLE-FLOWERING (B)

A desirable class of early-flowering shrubs, producing before the leaves appear, a profusion of small, rose-like flowers that are closely set along the branches.

Double Pink or Double White, bushy, 2 to 3 ft., **$1.00**; 3 to 4 ft., **$1.25.**

ALTHEA FRUTEX (Rose of Sharon.) Plant in spring.

AMORPHA (B)

Hardy, free-flowering shrubs, with feathery foliage, adapted to sunny locations. Very valuable for border plantings or for massing on banks and slopes.

Fruticosa (False Indigo). A large, spreading bush with pinnate leaves and slender spikes of deep purple flowers; blooms in June and July, after most of the spring-flowering shrubs are over. 4 to 5 ft., **75c.**

ARALIA (The Angelica Tree)

The luxuriant, tropical aspect of these plants is extremely charming. The large compound leaves, often 3 or 4 feet long, the huge panicles of creamy-white flowers, and, in autumn, the wealth of dark purple berries disposed in numerous globe-like clusters—these constitute some of the glories of the Aralias. They are small trees or bushes, relatively hardy, with the larger or tree-like stems surrounded at the base by smaller, unbranched shoots.

Spinosa (Hercules Club) (A). A large shrub of semi-tropical appearance. Very prickly stem. Bears immense clusters of white flowers. 5 to 6 ft., **$1.00.**

ARONIA

Arbutifolia (Red Chokeberry) (A). Clusters of small white flowers in May succeeded in August by bright red berries that remain until winter. Bright crimson autumn foliage. 3 to 4 ft., **80c.**

Melanocarpa (Black Chokeberry) (B). Dwarfer than the Arbutifolia, seldom reaching 6 ft. Its flowers are slightly tinged with red and its fruit ripens to a shiny jet black. 3 to 4 ft., **75c.**

BERBERIS (Barberry)

Ilicifolia (Holly-leaved Barberry) (B). The thick, spiny evergreen leaves of this species give it a very close resemblance to the Holly. The attractive glossy, dark green, prickly foliage remains on well into winter. 3 to 4 ft., **$2.25.** The above for stock with ball of earth and burlapped.

Thunbergii (Japanese Barberry) (C). One of the most beautiful shrubs either for hedging or general purposes. It is of a neat, compact growth and never need be touched with the shears. The foliage is beautiful at all times, and in the fall turns to a most brilliant crimson color. The plant is literally covered with bright scarlet berries all the fall and winter. It seldom grows over 4 ft. high 2-year, 12 to 18-inch, each, **50c**; per 10, **$4.00**; per 100, **$25.00.** 3-year, 18 to 24-inch, each, **60c**; per 10, **$5.00**; per 100, **$35.00.** 4-year, 24 to 30-inch, each, **75c**; per 10, **$6.00**; per 100, **$40.00.**

CALYCANTHUS FLORIDUS (Sweet Shrub) (B)

The Calycanthus is one of the most desirable shrubs. The wood is fragrant. Flowers are of a rare chocolate color, having an exquisite pineapple fragrance They bloom in June and throughout the summer. 18 to 24-inch, **60c.**

BERBERIS THUNBERGII—Japanese Barberry

BOX-BARBERRY (C)

The New Hardy Edging and Dwarf Hedge

A dwarf, upright form of the familiar Berberis Thunbergii; it is perfectly hardy thriving wherever Berberis Thunbergii grows. **It does not** carry wheat rust

Box-Barberry lends itself most happily to low edgings for formal gardens, when set about four inches apart. It also makes a beautiful low hedge when set 6 to 8 inches apart. The foliage is light green, changing in autumn to dazzling red and yellow. We offer 2-year-old field plants, 10 to 15-inch, each, **50c**; per 100, **$40.00.** 4-year-old field plants, 15 to 18-inch, bushy, each, **75c**; per 100, **$60.00.**

Bridal Wreath. See Spiraea.

CARAGANA

Arborescens. Pea Tree. A shrub or low tree, having a wealth of golden sweet pea-shaped blossoms in May. Valuable for a lawn specimen owing to its beautiful foliage and feathery leaves which resemble that of the Locust Makes a splendid hedge and can be pruned to any height desired. Especially valuable for use in the Northern States on account of its extreme hardiness. 2 to 3 ft., **50c**; per 10, $4.00; per 100, **$30.00.**

CEPHALANTHUS OCCIDENTALIS (Button Bush) (B)

A hardy vigorous shrub with neat glossy leaves. The flower heads are very curious, appearing in the form of a ball covered with tiny white blooms. These flower heads appear in late summer and last for several weeks. Thrives best in moist loamy soil. Very valuable for waterside planting, especially when fully exposed to the sun. 2 to 3 ft., **65c.**

CHIONANTHUS VIRGINICA (White Fringe Tree) (A)

Large shrub or small tree, with large, heavy leaves almost hidden in spring by a thick mist of fragrant, drooping white flowers. When planted against evergreens it is one of our very best lawn ornaments. Attains a height of 9 to 15 feet. 2 to 3 ft., **$1.75.**

HYDRANGEA (Snowball)

CLETHRA

Alnifolia (Sweet Pepper Bush) (B). This is one of the few shrubs that will flower freely with but little exposure to full sunlight, and it blooms in mid-summer when other flowers are scarce. Flowers are borne in long panicles, are creamy white in color and remarkably sweet-scented. Thrives in any ordinary garden soil. 18 to 24 ft., **60c.**

CORCHORUS (Kerria) (B)

(The Globe Flower or Japanese Rose)

Japonicus Fl. Pl. A shrub 4 to 6 feet tall. Native of Japan. Leaves bright green, fading in autumn with tone of yellow. Flowers numerous, bright yellow, large, showy and double. A charming old-fashioned plant. 2 to 3 ft., **90c.**

CORNUS (Dogwood)

Hardy and vigorous shrubs, thriving best in moist, fertile soils. In addition to the showy flowers and fruits which characterize most of the species, they are very attractive objects in winter on account of the brilliant color of the bark of the young shoots and twigs. Valuable for borders and waterside planting.

Alternifolia (Pagoda Dogwood) (A). A pretty, large shrub; forms almost flat heads. The bunches of white flowers borne in May are followed by deep blue berries. 3 to 4 ft., **75c.**

Amomum (Silky Dogwood) (A). A spreading shrub well suited for planting in front of groups of trees and shrubs. Leaves are dark green, pale underneath and flowers are creamy-white, borne in flat-topped clusters. Its purple stems are attractive in winter, as are the bright blue fruits which ripen in the autumn. 3 to 4 ft., **60c**; 4 to 5 ft., **75c.**

Elegantissima (Variegated Cornelian-Cherry) (A). A tall-growing shrub with purplish red branches and beautiful silver variegated foliage. 2 to 3 ft., **90c.**

Paniculata (Gray Dogwood) (B). A dense, upright-growing shrub. White flowers in short panicled clusters, late in June, followed by white berries on deep red stems. Bark and underside of leaves gray. 2 to 3 ft., **60c.**

Sanguinea (Red-branched Dogwood) (B). Very conspicuous and ornamental. Bark in winter blood-red. 3 to 4 ft., **70c.**

Sibirica (Siberian Red Osier) (B). An upright shrub with bright blood-red branches. Native of Siberia. Flowers creamy-white in numerous small flat-topped clusters. Fruit light blue or bluish-white. Usually 6 to 10 feet tall. Very brilliant, especially in early spring, when the bark is intensely colored. 2 to 3 ft., **60c**; 3 to 4 ft., **75c.**

Stolonifera (Red Osier Dogwood) (B). Prostrate stems with red bark. Very effective in winter and a hardy grower. Flowers creamy-white in flat-topped clusters. Berries white. 2 to 3 ft., **50c**; 3 to 4 ft., **60c.**

Stolonifera Aurea (Golden-twigged Osier) (B). A variety with golden-yellow bark, very attractive. Planted in masses with the red-barked varieties, an effective and striking contrast may be secured. It is perfectly hardy. 2 to 3 ft., **60c**; 3 to 4 ft., **75c.**

COTONEASTER

A desirable class of hardy shrubs valued especially for the rich autumnal coloring of their leaves, and for their conspicuous berries which brighten the fall and early winter. Plant in any good well-drained soil avoiding shade or moist situations.

Acutifolia (A). A dense-growing shrub with dark green, oval leaves. Resembles Privet. Extremely hardy and well adapted to the Northern States. The coming hedge plant for the North. 2 to 3 ft., each, **60c**; per 10, **$5.00**; per 100, **$38.00**; 3 to 4 ft., each, **70c**; per 10, **$6.00**; per 100, **$45.00.**

Horizontalis (C). A dwarf shrub with densely spreading horizontal branches almost prostrate. On account of its habit, is much appreciated in rockeries and the front of borders, to display its crimsoning leaves and scarlet fruits deep into winter. 4-inch pot plants, **$1.25**; per 10, **$10.00.**

Flowering Crab. See Malus.

CRATAEGUS (Hawthorn)

The thorns justly deserve to be classed among the most beautiful flowering trees. They are generally dense, low growers, occupying comparatively little space and well adapted to beautify small grounds. If judiciously pruned, they can also be trained to assume picturesque tree forms. The foliage is varied and attractive, flowers very showy and often highly perfumed. The fruit is very effective and ornamental in autumn.

Carrieri. Foliage dark, glossy green; fruit large, dark red, showy and hangs to tree long into winter. 3 to 4 ft., **$1.00.**

Coccinea (Scarlet-fruited Thorn). A fine native variety with single white flowers in spring, and scarlet fruit in autumn. 4 to 5 ft., **$1.25.**

DEUTZIA

We are indebted to Japan for this valuable genus of plants. Their hardihood, fine habit, luxuriant foliage and profusion of attractive flowers place them among the most beautiful and most popular of flowering shrubs. Flowers in June and through July and August. Of easy culture, thriving in almost any well-drained soil.

Crenata Fl. Pl. (B). Upright growth with double white flowers; early and free-flowering. Usually grows 5 to 6 feet. 2 to 3 ft., **65c.**

Pride of Rochester (B). A variety of Deutzia Crenata Flore Pleno, and producing large double white flowers; back of the petals slightly tinted with rose. It excels all the older sorts in size of flower, length of panicle, profuseness of bloom and vigorous habit. 2 to 3 ft., **60c.**

Elder. See Sambucus.

ELEAGNUS (Silver Thorn)

Angustifolia (Russian Olive) (A). A large shrub with silvery, often spiny branches. Leaves light green above, silvery-white beneath, lanceolate, 2 to 3 inches long. Flowers yellow within, silvery on the outside, fragrant. Berries yellow coated with silver scales. 3 to 4 ft., **60c.**

EUONYMUS (Strawberry or Burning Bush)

Hardy shrubs with showy fruits, noted for the intense coloring of the fall foliage. They are well adapted for specimen plants or for massing in the shrub borders. They require moist, loamy soil.

Alatus (Winged Burning Bush) (B). Dwarf, compact habit. Wood corky, leaves small; fruit red; very beautiful in autumn when the foliage turns bright red. One of the prettiest of shrubs for specimens on the lawn. 4 to 5 ft., **$3.50.**

EUONYMUS RADICANS

(Large-leaved Trailing Euonymus)

Euonymus Vegetus. A most valuable ground-covering evergeen plant with rich deep green foliage, thriving in partial shade or under trees where grass and other plants fail. It is also our best hardy evergeen vine, retaining its foliage through the winter, even when exposed to the sun. 2-year, **70c**; 3-year, **80c**; 4-year, **$1.00**; 6-year, specimens, balled and burlapped, **$2.50**; pot-grown, **75c.**

FORSYTHIA (Golden Bell) (B)

These are pretty shrubs of medium size. All natives of China and Japan. The flowers are drooping, golden-yellow, and appear very early in spring before the leaves. The best very early-flowering shrubs. Admired by thousands in Chicago Parks. They should be planted where they will receive the full benefit of early spring sunshine.

Fortunei. 2 to 3 ft., **60c.**

Intermedia. 2 to 3 ft., **60c**; 3 to 4 ft., **75c.**

HYDRANGEA

ARBORESCENS GRANDIFLORA "SNOWBALL" (C)

The Best Flowering Shrub for Shady Positions or North Side

This American Hydrangea was found growing wild some years ago in the woods of Ohio and is one of the most beautiful hardy-flowering shrubs. Its greatest value, aside from its beauty, is that it comes into bloom just after the flowering time of Lilacs, Syringas, Viburnums and spring-flowering Spiraeas and continues on into August. The panicle is more like a Snowball in form and size than Paniculata Grandiflora (hence the name), and is a pure white. It thrives well in various soils but requires shade. 2-year, **75c**; 3-year, **90c.**

HYDRANGEA PANICULATA GRANDIFLORA (A)

Tens of thousand of this noble summer and autumn-flowering shrub have been sold the past few years, and the demand is now universal. They grow to a height of 8 to 10 feet, and are absolutely hardy, grow in any soil and bloom the same year they are set out. They flower abundantly, bearing immense panicles of bloom a foot long, white at first, turning to rose in autumn, commencing to bloom in August, when very few shrubs are in bloom. An annual shortening of branches is necessary to increase the size of the flowers. 2-year, **75c**; 3-year, **90c.**

(Tree Form) (A)

These plants have a clear stem with a bushy top, making a grand show when in flower. 3 to 4 ft., **$1.75.**

CORNUS—Sibirica

CORNUS—Amomum

PRIVET HEDGE

LIGUSTRUM (Privet)

The Privet is now one of the best-known shrubs, both for hedging and for ornamental planting on the lawn. All of the varieties offered have merit, some for their foliage, some for their berries. They are almost evergreen and of dense habit, and bear shearing to any extent.

Amurense (Amoor Privet) (B). A large shrub with upright branches. Leaves dark green and lustrous, tardily deciduous, or in the South nearly evergreen. Flowers white, in erect panicles. Splendid for hedges. Very similar to the California Privet so universally used for hedging in the East, but unlike it herein that the Amoor is hardy. 2 to 3 ft., extra bushy, **50c**; per 10 **$4.00**; per 100, **$30.00**; 3 to 4 ft., extra bushy, **60c**; per 10, **$5.00**; per 100, **$40.00.**

Ibota (Chinese Privet) (B). A valuable hardy Privet for the western and northern states. It is almost evergreen and grows freely in all soils. Compact and regular in form, and bears shearing to any extent. Flowers white and fragrant; leaves long and shiny. A charming shrub for hedges or specimens. 2 to 3 ft., extra bushy, **50c**; per 100, **$30.00**; 3 to 4 ft., **60c**; per 100, **$40.00.**

Lodense (New Dwarf Privet) (C). This is a new, dwarf and distinct form of Privet of extremely compact and low-growing habit. The foliage is rich dark green and of extreme hardiness. It is particularly useful for low hedges and borders as it stands shearing very well and can be kept low and compact very easily. We offer 2-year-old field plants, 8 to 15-in., **50c**; per 100, **$35.00.**

Regalianum (Regale's Prostrate Privet) (B). A low, dense Privet, with almost horizontally spreading branches and fine foliage of dark green. It is perfectly hardy, graceful, and is an excellent variety for use as a shrub in the border or as a lawn specimen. 2 to 3 ft., **75e.**

IBOLIUM PRIVET (B)

The New Hardy Hedge Privet

This is a cross of the California and the hardy Chinese type, Ibota, and has all the attractive characteristics of the California Privet with the hardiness of the Ibota. Ibolium Privet will prove of great interest to those who have tried California Privet with uncertain results. 2 to 3 ft., **60c**; per 10, **$5.00**; per 100, **$35.00.**

LONICERA (Bush Honeysuckle)

Handsome upright shrubs, with showy flowers and bright berries. They thrive in almost any fertile soil, and in most instances prefer sunny situations. Invaluable for border or mass planting. Other species are described under "Vines."

Bella Albida (A). A fine variety, producing fruit of red color in great profusion. 3 to 4 ft., **70e**; per 10, **$5.50**; per 100, **$40.00**; 4 to 5 ft., **80e**; per 10, **$6.50**; per 100, **$50.00.**

Morrowii (Japanese Bush Honeysuckle) (B). A strong vigorous grower, round-topped, perfect in shape with lower branches spread out over the ground. Pure white flowers produced in May and June, followed by brilliant red berries. Lovers of handsome, hardy shrubs, will be well repaid by planting this one. 2 to 3 ft., **60c**; 3 to 4 ft., **70e.**

Ruprechtiana. A new early-flowering variety with showy white flowers, well set with bright red berries in June. 3 to 4 ft., bushy, **70c**; per 10, **$5.50**; 4 to 5 ft., bushy, **80c.**

Tatarica (A). A large shrub with numerous upright branches. Flowers white or pink, borne in great profusion in late spring. Fruit red or orange, ripening in summer and persisting until autumn.

Tatarica Alba (White Tatarian). 3 to 4 ft., **75c.**

Tatarica Rosea (Pink Tatarian). 2 to 3 ft., **60c**; per 10, **$5.00**; 3 to 4 ft., **70c**; per 10, **$6.00.**

Tatarica Rubra (Red Tatarian). 3 to 4 ft., **75c**; per 10, **$6.00.**

LILAC

The old-fashioned Purple Lilac has a delicious fragrance that haunts the memory from one blooming season to another. None of our shrubs have been as highly developed under cultivation as has the lilac. The best new varieties have immense clusters of large plumes laden with sweetness. Some are double, some single, and the white, reddish purple, and blue varieties, lend themselves to many color schemes. The lilac grows rapidly, flowers profusely, has rich, beautiful green foliage, free from insects. The cut-flowers from the improved varieties find a ready sale on the city markets.

Charles Joly. Double flowers of a beautiful dark red. 18 to 24 in., **$1.00**; 2 to 3 ft., **$1.25.**

Charles X. A strong, rapid-growing variety, with large, shining leaves; trusses large, of a reddish-purple color. 2 to 3 ft., **$1.00**; 3 to 4 ft., **$1.50**; 4 to 5 ft., **$2.00**

Hugo Koster. Single, dark reddish-purple, large individual flowers. 18 to 24 in., **$1.00.**

Japonica (Japanese) June Glossy, leathery leaves. It is quite hardy and the yellowish white flowers come after other lilacs are through blooming. 3 to 4 ft., **$1.25.**

Josikaea (Hungarian Lilac). Has dark lilac-colored flowers, blooming the first week in June. Very distinct and valuable. 3 to 4 ft., **$1.00**; 4 to 5 ft., **$1.50.**

LILAC—Continued.

Mad. Casimir Perier. Large double creamy-white flowers. 18 to 24 in., **$1.00.**

Mad. Lemoine. Double pure white flowers, borne in large clusters. Strong bushes. 2 to 3 ft., **$1.25**; 3 to 4 ft., **$1.50.**

Marie LeGraye. Large panicles of white flowers. Valuable for forcing. The finest white lilac. 2 to 3 ft., **1.25**; 3 to 4 ft., **$1.50.**

Michael Buchner. Dwarf plant, vigorous. Double flowers of pale lilac color. 2 to 3 ft., **$1.25**; 3 to 4 ft., **$1.50.**

Persian Purple. A pretty variety with small leaves and rather loose panciles of pale lilac flowers; slender, arching branches. Does not mildew. 2 to 3 ft., **90c**; 3 to 4 ft., **$1.25.**

Pres. Grevy. Double flowers of a very fine blue; one of the best in this color. 2 to 3 ft., **$1.25**; 3 to 4 ft., **$1.50.**

Souvenir de Louis Spaeth. A distinct and most beautiful variety having immense trusses of deep purplish-red with enormous flowers. 18 in. to 24 in., **$1.00.**

Vulgaris, Purpurea (Common Purple Lilac). The well-known, old-fashioned lilac so common in our gardens. It is hardy and vigorous, endures neglect and blooms abundantly. Purple flowers early in May. 3 to 4 ft., **80c**; 4 to 5 ft., **$1.00**; 5 to 6 ft., **$1.50**; 6 to 7 ft., specimens, **$3.00** to **$5.00.**

Vulgaris Alba (Common White Lilac). 3 to 4 ft., **90c.**

LILACS

New and Rare Varieties

Diderot. Single, enormous panicles, one foot long, with large claret-purple flowers; very free.

Emil Gentil. Double, large panicles of bright cobalt-blue, a very rare shade among lilacs.

Jean Mace. Double, broad, compact panicles, irregular flowers, mauve, fading to bluish, an early and very floriferous variety.

Marechal Lannes. Very broad panicles of double or semi-double flowers of amazing size; bluish violet.

President Fallieres. Enormous trusses, very large incurved flowers of pale lilac pink; late-flowering; a very fine variety, double.

President Loubet. Double, large purple flowers, with red buds.

Vestale. Single, enormous panicles, large individual flowers, pure white; a very attractive variety.

EARLY LILACS (Syringa Giraldi)

Recently introduced from China, is remarkable for its flowering a week or two before the other sorts. A cross between it and of the early-flowering lilacs, originated a new race of tall-growing lilacs which expand their flowers before the lilacs now known.

Berryer. Double, long trusses of semi-double mauve flowers.

Claude Bernard. Double, a rapid-growing variety with long trusses of double or semi-double bright mauve lilac flowers; very early.

Lamartine. Single, beautiful trusses of mauve-pink flowers showy, and very early.

Mirabeau. Single, very large, mauve flowers; the earliest of all.

Pascal. Single, pure lilac; very free.

Vauban. Double, regular pale mauve-pink flowers, very free.

Price of above: 18 to 24 in. each, **$2.00**; 3 for **$5.50**; 6 for **$10.00.**

LYCIUM (Matrimony Vine)

An old-fashioned hardy shrub with a wealth of scarlet berries. It thrives in almost any fertile soil. The long branches may be trained over fences or trellises, but more effective results may be obtained by planting at the top of retaining walls or steep banks and allowing the graceful stem to fall over.

Barbarum. 3-year, **60c.**

MALUS (Flowering Crab)

The Flowering Crabs have few rivals among the gorgeous Spring-flowering ornamentals. They are small trees and their blooms range in color from deep carmine to the most delicate pinks. They make splendid specimens for the lawn, and when used in the shrubbery borders they enhance the value of the planting with their profusion of color.

Bechtel's Double-Flowering. Most beautiful of all the flowering Crabs; hardy. Trees of medium size are covered in early spring with large, beautiful, double, fragrant flowers resembling small roses of a delicate pink. This is the ideal lawn tree for a small yard. 4 to 5 ft., **$2.50**; 5 to 6 ft., **$4.00.**

Niedzwetzkyana. (Redvein Crab.) A showy tree with remarkable single red flowers followed by red fruits about one inch in diameter in October. Bark and wood are tinged with red. 8 to 10 ft., **$4.50.**

Single-Flowering Pink. A small, strong-growing tree with heavy thick foliage. A very free-blooming variety producing in early spring a wealth of single pink blossoms and should be in every garden. 4 to 5 ft., **$2.00.**

BECHTEL'S DOUBLE-FLOWERING CRAB

RHAMNUS—Catharticus

MORUS (Mulberry)

Tatarica. (Russian.) 20 to 25 ft. Hardier in the northwest than all others. 3 to 4 ft., 50c; per 100, $35.00.

PHILADELPHUS OR SYRINGA (Mock Orange)

There is a great variation in the different varieties of Mock Orange both in the habit of their growth and in their form of bloom. Some have large foliage and vigorous, upright habit of growth, forming larger shrubs, and there are many dwarf varieties, with slender, arching branches and small foliage. All are refined and beautiful, and the different varieties ean be grouped together most effectively.

Avalanche. (B). New. The flowers are large, white, very sweet and produced in such profusion that their weight bends the long slender branches almost to the ground, producing a most wonderful effect as if the branches were loaded with new-fallen snow. 2 to 3 ft., 80c.

Bouquet Blanc. (B). Double or semi-double flowers; very floriferous. 2 to 3 ft., 80c; 3 to 4 ft., $1.00.

Coronarius. (A). (Common Mock Orange.) Flowers pure white and very fragrant. Blooms in May and June in great profusion. 4 to 5 ft., 90c; per 10, $7.50.

Coronarius Aureus. (Golden Leaved Mock Orange.) (C). A dwarf compact little shrub much prized for its bright effect. 18 to 24 in., 75c.

Grandiflorus (A). (Large-flowered Syringa or Mock Orange.) Without a doubt one of the most popular shrubs grown, and ought to be in every garden, no matter how small. Flowers are pure white, very large and it is one of the most free-flowering of the genus. 3 to 4 ft., 60c; 4 to 5 ft., 75c.

Lemoinei Erectus (B). A charming variety of erect growth; creamy-white fragrant flowers, smaller than the other varieties, but very attractive. Distinguished by its smaller leaves. 2 to 3 ft., 70c.

Nivalis (Snowbank Mock Orange.) (A). Snow-white flowers in great profusion. Brownish branches. 3 to 4 ft., 60e; 4 to 5 ft., 75c.

RUGOSA ROSE—Grootendorst

NEW VARIETIES

Dame Blanche. (White Lady) A new Lemoine Hybrid with small foliage and upright branches, set with quantities of semi-double fringed flowers, which are cream-white and very fragrant. 18 to 24 in., 80c.

Manteau d' Hermine (C). Of very dwarf, drooping habit; branches long and slender, densely covered from base to tip with sweet scented flowers. 18 to 24 inches, 75c.

Virginal (B). A new and wonderful variety, one of the most beautiful shrubs grown. A vigorous, tall-grower, with very large double-crested flowers; pure white, sweet scented, produced in clusters of five to seven. 2 to 3 ft., $1.25.

Voie Lactee (The Milky Way) (B). Flowers snow-white, with conspicuous golden stamens, a vigorous grower, bearing quantities of very large flowers. 4 to 5 ft., $2.00.

Privet. See Ligustrum.

POTENTILLA Cinquefoil

Fruticosa (C). A desirable low-growing shrub, thriving either in wet or dry soil, producing bright yellow flowers throughout the summer; suitable for rockeries and in front of taller shrubs. 18 to 24 inches. 60c.

PRUNUS

Ornamental and Flowering Varieties

Othello (Purple-leaved Plum) (A). A distinct and handsome shrub or small tree, covered with a mass of beautiful white plumlike blossoms in early spring. The foliage is a deep crimson purple, lighter on the under side. 3 to 4 ft., $1.00.

Pissardii (Purple-leaved Plum) (A.) A small tree shrub. The young branches are a dark purple; the leaves, when young, are lustrous crimson, changing to a dark purple, and retain this beautiful tint until they drop, late in autumn. The tree is covered early in the spring with small, single white flowers, which appear before the leaves. Beautiful as lawn specimens, or grouped with other shrubs and trees for foliage effect. 3 to 4 ft., $1.00.

Triloba (Double-flowered Plum) (B). Native of China. A very desirable addition to hardy shrubs; flowers double, of a delicate pink, upwards of an inch in diameter, thickly set on the long, slender branches; flowers in May before the leaves unfold. 2 to 3 ft., $1.00; 3 to 4 ft., tree form, $1.50; 4 to 5 ft., specimen, tree form, $3.50.

Virginica (Choke Cherry). A handsome shrub or small tree with small racemes of beautiful white flowers. Leaves dark-green, oval in shape, turning to yellow before falling. Fruit so dark a purple as to be nearly black. 3 to 4 ft., 65c.

PYRACANTHA

Coccinea Lalandi (Laland Firethorn). An almost evergreen shrub allied to both the Thorn and Cotoneasters. Dwarf grown with slender branches with numerous short thorns. Small white flowers, coverd in fall with bright orange-red fruit. One of the finest berried shrubs or small trees. 18 to 24 in , balled and burlapped. $2.00.

PHILADELPHUS (Syringa)—Virginal

RHAMNUS (Buckthorn)

Hardy vigorous shrubs with handsome foliage and showy berries. The larger-growing species are well adapted and often used for hedges, both informal and clipped. They thrive in moist, loamy soils and are not adverse to partial shade.

Catharticus (A). A fine, robust shrub, with dark green foliage, white flowers and small, black fruit. A popular hedge plant. 2 to 3 ft., 50c; per 10, $4.00; per 100, $25.00; 3 to 4 ft., 60c; per 10, $5.00; per 100, $30.00.

Frangula (Alder Buckthorn) (B). A valuable and decorative species of erect habit with glossy leaves and black berries. Its long black branches speckled with white are very attractive in winter. 2 to 3 ft., 60e; per 10, $5.00; per 100, $30.00; 3 to 4 ft., 65c; per 10, $5.50; per 100, $35.00.

RHODOTYPOS (White Kerria)

Kerrioides (B). A very ornamental Japanese shrub of medium size with handsome foliage and large single white flowers in the latter part of May, succeeded by numerous black berries. 2 to 3 ft., 70c; 3 to 4 ft., 85c.

RHUS (Sumach)

Copallina (Shining Sumach) (A). Beautiful shining green foliage changing to rich crimson in autumn. Greenish-yellow flowers in August. 3 to 4 ft., 70c

Glabra (Smooth Sumach) (A). A shrub or low tree with an open crown. Leaves compound, dark green above, turning brilliant scarlet in autumn. Flowers in large terminal panicles, soon followed by the crimson fruiting clusters, which persist all winter. Beautiful for massive effects. 4 to 5 ft., 70c; 6 to 7 ft., $1.00.

Glabra Laciniata (Cut-leaved Sumach) (B). A very striking plant, of moderate size, with deeply cut leaves resembling rich fern leaves; dark green above and glaucous below, and turning to a rich red in autumn. 2 to 3 ft., 70e.

Typhina Laciniata (Fern-leaved Staghorn Sumach) (A). As its name indicates, the branches resemble the elk's horn while developing, and it is one of the most tropical-looking native shrubs we possess. The foliage is finely cut and turns a golden-yellow in the fall. Attains a height of 20 ft. 3 to 4 ft., 75c; 4 to 5 ft., 90e.

ROSA (Hardy Bush Roses)

Blanda (Meadow Rose) (B). Pink flowers, followed by red berries. Very ornamental in winter. 2-yr., 50c.

Lucida (B). Single bright pink flowers, with bright red bark and berries in winter. 2-yr., 50c.

Rubiginosa (True English Sweet Briar) (B). This is the true Eglantine. It is perfectly hardy, and once it is planted, little, if any, care is necessary. 2-yr., 60c.

Setigera (Prairie Rose) (C). Small, single pink flowers and extra fine foliage, some times called the bramble-leaved rose. 2-yr., 60c.

Hugonis (Golden Rose of China) (B). Fine for shrub planting, as it reaches a height of 6 feet when fully matured. The long, arching branches are thickly set with the lovely single yellow flowers in May, and it is one of the earliest roses to bloom. Makes a very spectacular show. Never winter-kills. Strong 2-year-old plants, each $1.50; 3-yr., $2.00.

RAMANAS OR RUGOSA ROSES

These Japanese Roses form sturdy bushes 3 to 5 feet in height. They are perfectly hardy in the most trying places, standing well the hot sun and thriving in dry or sandy soils. The dark, rich leathery foliage is oddly wrinkled; the large fragrant single and semi-double flowers of both red, rose and white, are produced in profusion throughout the summer. In the autumn they are followed by orange-red and scarlet hips or seedpods. Rugosa is extremely useful in rough situations and shrubbery borders, and we know of no rose that surpasses it.

Belle Pointevine The blooms are large and full, the petals gracefully incurved. Bright, clear, lively pink. 2-yr., 90c; per 10, $7.50.

Covin Tree. Pure double white. Extra choice, 2-yr., $1.00.

Hansa. Double red, very attractive. 2-yr., 90c; per 10, $7.50.

Sir Thomas Lipton. Color pure snow-white, three-quarters in. across and perfectly double. Flowers are very fragrant, borne on strong, upright stems all through the growing season. 2-yr., 90c; per 10, $7.50.

Turkes. A new hardy rugosa seedling; a cross between Conrad F. Mayer and Mrs. Aaron Ward. The buds are very long, the flowers very double, of a lovely baby-pink color, borne singly on large, strong stems; very sweet-scented; abundant, dark-green foliage and disease-resistant. Each, $1.25; per 10, $10.00.

Rugosa Alba. Crowded with clusters of single pure white flowers, foliage dark green and glossy. 2-yr., 75c.

Rugosa Rubra. Identical with the above, except in the color, which is a beautiful red. 2-yr., 75c; per 10, $6.00.

SPIRAEA—Van Houttei (Bridal Wreath)

NEW HYBRID RUGOSA ROSE

F. J. Grootendorst. This new rose is a cross between Rugosa and the Crimson Baby Rambler. It should not be planted with the Hybrid Tea roses and such types, but it is valuable as an isolated specimen or among shrubs, or it can be used as an everblooming hedge. The flowers are double red, produced all summer, and the plants are perfectly hardy. 2-yr., **90c**; per 10, **$7.50.**

SALIX (Willow) (A)

The Willows will grow almost anywhere, and need not necessarily be planted beside streams and waterways, as is commonly supposed. They are particularly valuable for planting in exposed places and where quick results are wanted as they mature rapidly.

Babylonica (Common Weeping Willow). Wavy, bright green foliage borne on very slender, pendent branches. 5 to 6 ft., bush form, **80c.**

Britzensis. Of particular beauty in winter; the color of the bark changes with the approach of cold weather, taking on a flame or bronze color, and this is maintained until spring. Very effective when the ground is covered with snow. 5 to 6 ft., bush form, **80c.**

Discolor (Pussy Willow). The handsome fur-like catkins of this Willow which appear in early spring before the leaves come are in great demand by florists for use in bouquets. The catkins force readily and if branches are cut and brought into the house, one can enjoy "Pussy Willows" in the months of January and February as well as in early spring. Frequent cutting back does not harm the plants, but gives them a thicker growth. 3 to 4 ft., bush form, **50c**; per 10, **$4.00**; 4 to 5 ft., bush form, **60c**; per 10, **$5.00**; 5 to 6 ft., bush form, **75c**; per 10, **$6.00.**

Laurifolia (Laurel-leaved Willow). A rapid grower, erect form, with broad glossy, dark green leaves which gives a pleasing effect when planted alone or as a back ground for lower growing shrubs. 4 to 5 ft., bush form, **75c.**

SAMBUCUS (Elder) (A)

Hardy vigorous-growing shrubs with showy flowers and a profusion of berries. They thrive best in moist loamy soils, and are well adapted for waterside and border planting.

Canadensis (Common Elder). Pithy stems, with compound leaves; broad heads of white flowers in June, and dark red berries in autumn. 4 to 5 ft., **75c.**

Nigra (European Elder) Fine shrub for massing; flowers creamy; fruit black 3 to 4 ft., **75c.**

Nigra Aurea (Golden-leaved). The golden foliage of this, makes it in much demand. It makes a showy appearance when planted in shrub beds. 3 to 4 ft., **75c.**

Pubens (Scarlet Elder). A very distinct variety Flowers in gigantic trusses 20 inches in diameter; blooms in July and September succeeded by masses of red berries. 3 to 4 ft., **75c.**

SPIRAEA

A large group of showy, free-flowering, hardy shrubs. Some of the species bloom in early spring, others in midsummer, while some produce their flowers from summer until fall. All of easiest culture in all soils.

Anthony Waterer (C). Perpetual-blooming Red Spiraea. A fine, hardy perpetual-blooming shrub, very desirable for the lawn. Makes nice, round bushes 3 ft. high and wide; beginning to bloom in summer, continuing until fall. Rose-red flowers in large, round clusters all over the bush. 18 to 24 in., **75c**; 24 to to 30 in., **90c.**

Arguta Multiflora (Snow Garland) (B). A remarkably floriferous and showy shrub. Leaves narrow, bright green fading with tones of yellow and orange. Flowers pure white, borne in great profusion in early spring. Height, 3 to 5 ft. One of the best of the early Spiraeas. 24 to 30 in., **75c.**

Billardii (B). Narrow dense spikes of pink flowers which bloom nearly all summer. It is a grand subject for mass planting, for shrubbery borders, and is good for cut-flowers. 3 to 4 ft., **60c.**

Callosa Alba (Fortune's Dwarf White Spiraea) (C). A white flowering variety, of dwarf, bushy, symmetrical form. Keeps in flower all summer. A valuable small shrub for planting as a margin to the shrubbery border or as a single specimen. 18 to 24 in., bushy, **70c.**

Callosa Froebeli (C). A very free low-growing shrub producing large flat heads of rosy-pink flowers throughtout the summer. Attractive green foliage tinted dark red. 18 to 24 in., **60c**; 24 to 30 in., **70c.**

Latifolia (Pink Meadow Spiraea) (B). Dull green foliage; dense spikes of pink flowers about six inches long, drooping branches; hardy, rapid in growth. 3 to 4 ft., **70c.**

Opulifolia (Nine Bark) (B). A tall shrub with spreading branches, growing 8 to 10 ft. high. Flowers whitish, in early summer, disposed in numerous clusters. Especially valuable for shaded places. 4 to 5 ft., **75c.**

Opulifolia Aurea (Golden-leaved Nine Bark) (B). Golden-yellow tinted foliage, and white flowers in June. Very conspicuous. 4 to 5 ft., **75c.**

Prunifolia Flore Plena (B). A graceful shrub with shining, dark-green foliage, turning orange in fall. In early spring the branches are covered with small, double white flowers, borne close to stem, making long, snow-white garlands. 2 to 3 ft., **75c.**

Sorbifolia (C). A vigorous species, with leaves like those of the Mountain Ash and long, elegant spikes of white flowers in July. 2 to 3 ft., **60c.**

Thunbergii (Thunberg's Spiraea) (B). Of dwarf habit and rounded, graceful form; branches slender and somewhat drooping; foliage narrow and yellowish green; flowers small, white, appearing early in spring, being one of the first Spiraeas to flower. When in bloom they appear as if covered with snow. 18 to 24 in., **75c.**

SPIRAEA BRIDAL WREATH

Van Houttei (Bridal Wreath) (B). This is without a doubt the most beautiful and useful of shrubs. Always effective if planted singly or in groups on the lawn, in front of the porch, in shrub borders or in a hedge. Handsome throughout the entire year. Our stock is very large and in splendid condition. 2 to 3 ft., **50c**; 100, **$35.00**; 3 to 4 ft., **70c**; 100, **$50.00**; 4 to 5 ft., **90c.**

STEPHANANDRA FLEXUOSA (C)

An attractive shrub with drooping, arching branches covered with deep lobed foliage which gives a fern like effect. Flowers are creamy-white and produced in profusion in June. In Autumn the foliage assumes brilliant bronze-red tints. 2 to 3 ft., **75c.**

Sweet Shrub. See Calycanthus.

SYMPHORICARPUS

(The Coral-Berry, Indian Currant and Snowberry)

Small native shrubs much used in shaded places and in open masses. Grow in almost any soil; quite hardy; very ornamental, when covered with berries.

Mollis (Large-berried Snowberry) (B). A compact growing form of the Snowberry with very large berries. 3 to 4 ft., **75c.**

Racemosus (Snowberry) (B). A graceful shrub, 3 to 5 ft. tall, with slender branches. Flowers white or pinkish, in loose racemes in summer followed by waxy, white berries, which remain almost until spring. 3 to 4 ft., **75c.**

Vulgaris (Coral-Berry or Indian Currant) (B). A grand shrub, producing a wealth of red or purplish berries which remain on the branches all winter. Leaves ovate, bright green. 3 to 4 ft., **60c.**

TAMARIX (A)

Shrubs of strong but slender, upright growth, clothed in foliage as light and feathery as that of the asparagus. Their delicate fringed flowers are usually some warm shade of pink or red and so are very ornamental at the back of shrubbery borders and valuable for seaside.

Amurense. A splendid hardy variety, with silky pink tassels; flowers all summer. 4 to 5 ft., **75c.**

Chinensis. A vigorous, upright grower with delicate foliage of a lively green color; flowers of a rose color in September. 4 to 5 ft., **75c.**

Hispida Aestivalis. A new variety of vigorous growth. The branches are covered half their length with numerous bright carmine-pink flowers. Blooms for a long time. 3 to 4 ft., **75c.**

VIBURNUM

(The Arrow-woods, High Bush Cranberry and Snowballs)

The Viburnums are one of the most useful shrubs, being very hardy and of good habit. They all have white flowers mostly on flat heads and with a few exceptions are noted for their handsome clusters of berries. The foliage assumes brilliant and intense color tones in the autumn.

Acerifolium (Maple-leaved Viburnum) (B). A medium-sized native shrub with smooth, slender branches and maple-like leaves; creamy white flowers in late spring followed by black berries. 3 to 4 ft., **$1.00.**

Dentatum (Arrow Wood) (A). May and June. A free-flowering shrub, especially admired for the abundance of its blue fruits that cling to the branches a long time. 2 to 3 ft., **70c.**

Lantana (Early White Lantana-leaved Vilburnum) (A). Large, robust shrub with soft, heavy leaves, and large clusters of white flowers in May, succeeded with red fruit; retains its foliage very late. 2 to 3 ft., **75c.**

Lentago (Sheep Berry) (A). Bright green leaves and yellowish-white flowers—deliciously scented; black oval berries. 2 to 3 ft., **70c.**

Molle (Glossy Vilburnum) (A). A variety similar to V. Dentatum, but differing from that variety by having larger foliage, is a more robust grower and flowers 2 to 3 weeks later. 2 to 3 ft., **75c.**

Opulus (High Bush Cranberry) (A). May. Spreading habit. Single white flowers borne in flat, imperfect clusters followed by clusters of red berries that cling to the leafless branches all winter. 3 to 4 ft., **$1.00**; 4 to 5 ft., **$1.25.**

Opulus Nanum (C). A very dwarf, compact form of the preceding, seldom attaining more than one foot in height; fine for edging and bordering. 8 to 10 in., **60c.**

Opulus Sterile (The old-fashioned "Snowball Tree") (A). Large balls or globes of white flowers. Well known. 3 to 4 ft., **$1.25.**

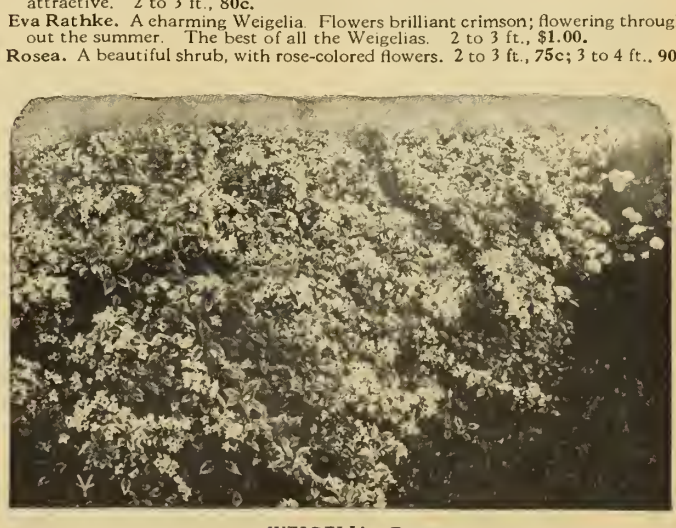
WEIGELIA (Diervilla) (B)

These shrubs bloom after the lilacs, in June and July. They make a strong growth, erect when young, gradually spreading and drooping into most graceful shapes with age. Their large flowers are of wide trumpet-shape, colors from white to red, and borne in clusters thickly along the branches.

Candida. White Weigelia, flowering throughout the summer. Unique and very attractive. 2 to 3 ft., **80c.**

Eva Rathke. A charming Weigelia. Flowers brilliant crimson; flowering throughout the summer. The best of all the Weigelias. 2 to 3 ft., **$1.00.**

Rosea. A beautiful shrub, with rose-colored flowers. 2 to 3 ft., **75c**; 3 to 4 ft., **90c.**



WEIGELIA—Rosea

NORWAY MAPLE

A BLOCK OF EUROPEAN ELMS AT OUR NURSERIES

LOMBARDY POPLAR

Vaughan's Ornamental Trees

ASH (Fraxinus)

A class of large, ornamental trees, adapted to a great variety o soils, of quite rapid growth and possessing many desirable characteristics for lawn, street and park planting.

Americana (American White Ash). A fine tree that produces large clusters of greenish-white flowers on the ends of the branches in June. A desirable shade tree for street or lawn planting.

Height	Caliper	Each	10 for	100 for
8 to 10 ft.	1½ to 2 inch	$2.25	$20.00	$175.00
10 to 12 ft.	2 to 2½ inch	3.00	25.00	.....

CATALPA

Bungei (Umbrella Tree). These beautiful globe-shaped tops being grafted high on elean straight stems form one of the most valuable trees for landscape designing, especially for formal effects. 2-year heads, 5 to 6 ft. stem, $3.00 to $4.50.

Kaempferi (Japanese Catalpa). A species of rapid growth, deep green, glossy foliage.

Height	Callper	Each	10 for
10 to 12 ft.	2½ to 3 inch	$4.00	$35.00

Speciosa (Western Catalpa). One of the most rapid growers, producing large panicles of fragrant white flowers delicately marked with violet and yellow. Reliable, hardy and extensively planted.

Height	Caliper	Each	10 for
10 to 12 ft.	2 to 2½ inch	$3.00	$25.00
12 to 14 ft.	2½ to 3 inch	4.00	35.00
12 to 14 ft.	3 to 3½ inch	5.00	45.00

CHERRY (Japanese Weeping)

An old favorite but always rare. Top grafted on straight stems it makes a beautiful object at any time and particularly in the Spring when it is covered with its rosy masses of blooms.

4 to 6 ft. stems, 2-yr. heads ..... $4.00 to $5.00

GINKGO BILOBA (Maidenhair Tree)

The value of this tree lies in the fact that it is immune from the ordinary attacks of insects and withstands so well the unnatural conditions of our cities. It is highly ornamental on lawns or public grounds.

Height	Caliper	Each
8 to 10 ft.		$3.50
10 to 12 ft.	2-inch caliper	5.00

ELM (Ulmus)

Most Elms become very tall, with great spreading limbs. The trees live to a great age and are noted for their graceful and majestic appearance. All of them are execellent for large estates and parks, the most popular tree for street planting and for shading drives and avenues. When poplars are planted for immediate effect, elms and oaks should be planted at the same time for permanent growth.

ELM (Ulmus)—Continued

American. The noblest and most dignified tree in the world for the street. Broad, arching branches with splendid dark green foliage, afford abundant shade.

Height	Caliper	Each	10 for
10 to 12 ft.	1½ to 2 inch (Twice Transplanted)	$4.00	$37.50
10 to 12 ft.	2 to 2¼ inch (Twice Transplanted)	5.00	45.00
10 to 12 ft.	2½ inch (Twice Transplanted)	6.00	57.50
12 to 14 ft.	3 inch " "	8.50	80.00
12 to 14 ft.	3½ inch " "	12.00	.....
14 to 16 ft.	4 inch " "	20.00	.....
16 to 18 ft.	4½ inch " "	25.00	.....

For larger trees and larger quantities, write for prices.

English Elm (U. Campestris). Leaves deep rich green, persisting and holding their color longer than any other species. Extensively planted as a shade tree.

Height	Caliper	Each	10 for
12 to 14 ft.	3½ inch (Twice Transplanted)	$14.00	.....
14 to 16 ft.	4 inch " "	20.00	.....
16 to 18 ft.	4½ inch " "	25.00	.....
18 to 20 ft.	5 inch " "	30.00	.....

Write for prices on larger sizes.

This is wonderfully fine stock and this type is much better suited to city conditions than the American Elm, which latter is best for the country.

Moline Elm. These are all grafted from a specimen tree, making a straight trunk and having large, dark green, thick, leathery leaves. Much superior to seeding trees.

Height	Caliper	Each
8 to 10 ft.	1½ inch	$4.50

Upright. Similar to the English Elm, only upright in growth and is very desirable when an upright growing tree is wanted. Has a light bark and large green leaves.

Height	Caliper	Each	10 for
12 to 14 ft.	3 inch	$ 9.00	$85.00
14 to 16 ft.	3½ inch	12.00	.....

Wheatleyi (U. Campestris Wheatleyi). Attractive pyramidal Elm for avenue and street planting, with rather small leaves; retains its verdure the entire summer. Vigorous grower; very straight.

Height	Caliper	Each	10 for
12 to 14 ft.	3 inch	$8.00	$75.00

LOCUST

Honey Locust (American). A large, vigorous tree with with spreading branches, armed with thorns, and feathery, fern-like leaves.

Height	Caliper	Each	10 for
8 to 10 ft.		$2.00	$15.00
10 to 12 ft.	1½ to 2 inch	3.00	27.50
10 to 12 ft.	2 to 2½ inch	4.50	42.50

Ornamental Trees—Continued

MAPLE (Acer)

The Maples stand out prominently among the most valuable subjects for landscape and screen plantings. The leaf outlines are pleasing and symmetrical and color effects in autumn add greatly to their beauty.

Norway Maple (Platanoides). A large and handsome tree with spreading branches and compact, round head. Leaves bright green, fading with tones of yellow and gold. It is one of the best ornamental trees for lawn, park, and street planting.

Height	Caliper	Each	10 for
10 to 12 ft.	2½ inch (Twice Transplanted)	$7.50	$70.00
12 to 15 ft.	3 inch " "	9.50	90.00
15 to 18 ft.	3½ inch " "	12.50	120.00
18 to 20 ft	4 inch " "	17.00	160.00
18 to 20 ft.	4½ inch " "	20.00	180.00
18 to 20 ft.	5 inch " "	25.00	.....
18 to 20 ft.	5½ inch " "	35.00	.....

Larger sizes, prices on application.

Schwedleri (Schwedler's Purple-leaved Maple). A handsome tree with beautiful foliage, in the spring a purplish-crimson changing to dark green during the summer and fading to tones of purple, red and brown in the fall. Has the same characteristics as the Norway Maple. Twice transplanted.

Height	Caliper	Each	10 for
10 to 12 ft.	2 inch	$12.00	$110.00
12 to 15 ft.	2½ inch	15.00	.....
15 to 18 ft.	3 inch	18.00	.....
18 to 20 ft.	3½ inch	25.00	.....
18 to 20 ft.	4 inch	35.00	.....

Larger sizes, prices on application.

Silver Maple (Dasycarpum). A large tree with wide-spreading branches and drooping branchlets. Very fast grower, makes dense shade and thrives in any good soil. We offer especially fine trees with high set branches.

Height	Caliper	Each	10 for
8 to 10 ft.	1½ to 2 inch	$3.00	$25.00

Weir's Cut-Leaved Silver Maple (Dasycarpum Weirii). One of the most remarkable and beautiful trees with cut or dissected foliage. A rapid grower with long, slender drooping branches, often sweeping the ground. Foliage is abundant, silvery underneath, and on the young wood, especially deeply and delicately cut.

Height	Caliper	Each	10 for
8 to 10 ft.	1¼ to 1½ inch	$3.50	$30.00

MULBERRY (Morus)

Russian (M. Tatarica). Very hardy, vigorous grower, fruit of small size, varies in color from white to black. 7 to 8 ft., $1.20.

Weeping Mulberry (M. Tatarica Pendula). The most beautiful weeping tree. The slender branches grow downward parallel with the stem, forming an umbrella-like shape. It undoubtedly takes the foremost place among weeping trees. It has beautiful foliage, is hardy, enduring the cold of the north and the heat of the south. 5 to 6 ft. stem, 2-yr. heads, $4.00 to $5.00.

OAK (Quercus)

Burr Oak (Quercus Macrocarpa). Vigorous stately tree of picturesque appearance; has deeply furrowed, brown bark and corky branches. Leaves are lustrous-green above, with whitish hairs below; acorn cup is large and mossy. Very attractive.

Height	Caliper	Each
10 to 12 ft.	2½ inch	$6.00

OAK—Continued

Red Oak (Quercus Rubra). An American variety, rapid in growth, with large foliage, which assumes in the fall a purplish-scarlet hue. It makes a fine specimen and cannot be too highly recommended for general planting.

Height	Caliper	Each
10 to 12 ft.	3 inch	$8.00

POPLAR (Populus)

These hardy trees thrive in almost any soil, and as a class are unequaled for this section. They are of rapid growth, and are used in increasing numbers every year.

Carolina Poplar. This tree takes front rank among the best of the poplars. It is one of the most rapid growers among shade trees, frequently growing eight feet in a season and thus making fine shade in two or three years.

Height	Caliper	Each	10 for
8 to 10 ft.	1 to 1½ inch	$1.50	$10.00
10 to 12 ft.	1½ to 2 inch	2.00	15.00
12 to 14 ft.	2 to 2½ inch	3.00	25.00

Lombardy Poplar. A tall columnar tree of picturesque and very formal aspect. One of the characteristic trees of Lombardy and other parts of Italy. Widely planted; a very rapid-growing and hardy tree.

Height	Caliper	Each	10 for	100 for
8 to 10 ft.		$1.50	$10.00	$ 75.00
10 to 12 ft.	1 to 1½ inch	2.00	15.00	100.00
12 to 14 ft.	1½ to 2 inch	2.75	25.00	200.00

TREE OF HEAVEN

Tree of Heaven (Ailanthus Glandulosa). A lofty rapid-growing tree from China, with long elegant feathery foliage exempt from all diseases and insects. Thoroughly hardy and has ability to withstand the smoke and gases of the city.

Height	Each	10 for
4 to 5 ft	$1.00	$ 7.50
5 to 6 ft	1.25	10.00

WALNUT

Nigra (Black Walnut). A native tree of large size and majestic form, beautiful foliage. Produces delicious nuts. 5 to 6 ft., each, $1.00; 10 for $7.50; 6 to 7 ft., each, $1.50; 10 for $10.00.

"Ten Commandments"

Here are the "Ten Commandments of Tree Planting" as given by an eminent horticultural authority.

1. Do not allow roots to be exposed to the sun, drying winds or frost.
2. Prune with a sharp, clean cut any broken or injured roots.
3. Have the holes large enough to admit all the roots without cramping.
4. Plant in fine loam, enriched with thoroughly decomposed manure.
5. Do not allow any green, unfermented manure to come into contact with roots.
6. Spread out the roots in their natural position and work fine loam among them, making it firm and compact.
7. Do not plant too deep. Let upper roots be set an inch lower than before.
8. Remove all broken branches and cut back at least one-half of the previous year's growth of wood.
9. If the season lacks the usual rainfall water thoroughly twice a week.
10. Cultivate. Keep soil in dust mulch—cultivate.

Strawberries—Pot-Grown

Price of the following except where noted per doz. $1.00; 50 for $4.00; 100 for $7.00 by express.

POT-GROWN STRAWBERRY PLANT

Bunn's Special.—A glorified Senator Dunlap producing far more fruit than that popular old variety. The plant is vigorous and healthy and a fair plant maker. The crowns of the plant are large, throwing out several large fruit stems and they produce an immense amount of large berries of extra quality and flavor. Doz. $1.25; 50 for $4.50; per 100, $8.00.

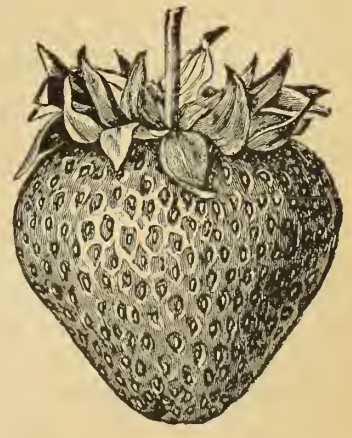
Charles the First.—Charles the First has proven itself one of the very best early berries, yielding more quarts of fine large berries than any other early variety. It is a strong fertilizer and very thrifty grower; berries are large, regular in form. Recommended by successful berry growers.

Eaton.—Eaton is a midseason staminate variety, very productive and the fruit is of extra fine quality. Berries are large conical shape, a deep red to the center, fine flavor. The plant is healthy, deep rooted and makes a good fruiting row. Doz. $1.25; 50 for $4.50; per 100, $8.00.

Glen Mary.—An extremely productive staminate midseason variety of extra high quality. The plant is a thrifty grower and makes a good fruiting row. Foliage strong and healthy. The fruit stems are large and strong. Berries are large, bright red, good quality and flavor.

Premier.—(Per.) Early. Berries are large, beautifully formed, red through and through; flavor delicious. A splendid shipper. The deep heavy rooting system makes the plant a strong drought resister, and it is especially adapted to any soil or climate, giving you a big crop of fancy berries which will sell at highest prices. Where extra fancy early fruit is wanted we advise this.

Senator Dunlap.—(Per.) Midseason. The fruit is dark red with glossy finish, shading to a deep scarlet on the underside. The meat is a bright red all through and exceedingly juicy. It succeeds everywhere and with everybody—the new beginner as well as with the veteran grower—but should not be allowed to mat too thickly. For a medium sized productive early to midseason berry you need not hesitate to plant Dunlap. One of the best and most popular.



SENATOR DUNLAP

Stevins Late Champion.—One of the most prolific and valuable of the late varieties. They do well and bear enormous crops on all kinds of soil and will produce good crops on soils too poor for most other kinds. The fruit is large to very large bright red color and very firm. The plants are fine healthy growers and cover the entire space allotted to them.

Wm. Belt.—An all-season variety fruiting from early to late. It is enormously productive especially the second year of fruiting. The berries are large to very large, inclined to be irregular the first few pickings, then they get regular shaped. Very popular on account of its extreme high quality and the fact that it does well on a great variety of soils.

Progressive.—(Everbearing). You can have strawberries just as easily in the Fall as in the Spring by planting the Fall bearing varieties. The plants are very large and heavily rooted, producing a phenominal crop of medium to large fruits of a dark red color, both inside and out and of sweet mild flavor. Think of having all the berries you can use on your table during the months of September, October and November, and later, if not killed by freezing weather.

Hardy Climbing Vines

CLEMATIS PANICULATA

AKEBIA QUINATA

A beautiful hardy Japanese vine, with unique foliage and chocolate-purple flowers of delightful fragrance in large clusters. The foliage is never attacked by insects, and is distinctly ornamental. Prefers a sunny situation. 2-yr., **85c.**

AMPELOPSIS

Engelmannii (Engelman's Ivy). One of the hardiest, best and quickest growing climbers for the north and northwest. Quite similar to the Virginia Creeper, but vastly superior to it, the foliage being cleaner, of greater substance and not turning yellow during the early fall, and almost perfectly free from insects. Leaves color beautifully in the fall. 2-yr., **40c.**

Quinquefolia (Virginia Creeper or Woodbine). Luxuriant in growth, with handsome foliage turning to bright crimson in the fall. Very hardy vine for covering old tree trunks, walls or fences. 2-yr., **40c**; 3-yr., **50c.**

Veitchii (Boston Ivy). The grandest hardy climbing vine in existence for covering houses, churches, schools, etc. Its glossy, ivy leaves overlap each other, and its long, delicate young shoots stretch up the walls with free and rapid growth. The tendrils at nearly every point cling firmly to the smoothest surface of rock or brick. Pot-grown, **$1.00.**

ARISTOLOCHIA (Dutchman's Pipe)

A vigorous and rapid-growing climber, bearing striking brownish colored flowers, resembling a miniature pipe in shape. Leaves are heart-shaped, light green, and produce a splendid shade.

Sipho (Large-leaved Dutchman's Pipe). 2-yr., **$1.25.**

BIGNONIA RADICANS (Trumpet Vine)

A robust tall climber with great leathery trumpet-shaped flowers of brilliant orange-scarlet which last a long time in the summer. A very rapid and hardy grower. Useful for covering unsightly places, stumps, or wherever a showy flowering vine is desired. 2-yr., **50c.**

CELASTRUS (Bitter Sweet)

Celastrus Articulatus (Japanese Bitter Sweet). Vigorous climber with almost round, bright green leaves, and orange-yellow capsules in the fall. This variety fruits earlier and more freely than C. Scandens, and is one of the best vines to be had for a porch. Strong vines, 2-yr., **60c**; 3-yr., **75c**; 4-yr., extra strong, **$1.00.**

Celastrus Scandens (Climbing Bitter Sweet). A native climbing or twining plant with handsome large leaves; yellow flowers in May and June and clusters of ornamental orange-capsuled fruit in autumn. One of the most desirable climbers for shade. Strong 2-yr. vines, each, **60c**; 3-yr., **75c.**

CLEMATIS

JAPANESE CLEMATIS (Clematis Paniculata)

The finest small-flowered Clematis extant. A wonderfully rapid grower, quicky covering trellises, arbors, etc. The flowers are pure white, deliciously fragrant and produced with the greatest freedom. It flowers in September when few other vines are in bloom. Easiest to grow and most popular of all the small-flowered vines. 2-yr., **60c**; 3-yr., **70c**; 4-yr., **80c**; pot-grown, **$100.**

WISTARIA

LARGE-FLOWERING CLEMATIS

The Large-Flowered Clematis are the most beautiful of all our flowering vines. They need rich deep soil, perfect drainage, abundance of water and should be planted with the crowns three inches beneath the surface of the soil.

Jackmanii. This variety, with its strong, healthy growth, hardy nature and rich, deep velvety-purple flowers, is the most satisfactory of its class. Blooms with astonishing profusion on shoots of the present season; should be pruned early in spring. 2-yr., potted, **$1.25.**

Mad. Edward Andre. Flowers large, of a very beautiful bright velvety-red, very free-flowering, and continuous bloomer. 2-yr., potted, **$1.00.**

HONEYSUCKLES (Lonicera)

We cannot speak too highly of this class, for covering arbors, fences, pergolas, verandas, etc. They are the best vines for ground planting under trees, and if used on terraces or embankments, will prevent washing. Railroads are using them very extensively for this purpose. All are perfectly hardy and improve in beauty each year.

Heckrotti. Remarkable for large size and distinct appearance of its flowers, dark rich red and creamy yellow in color. Blooms continually the whole season. 2-yr., **75c.**

Sempervirens (Trumpet Honeysuckle). Fuchsia-like scarlet flowers, very free and beautiful. 2-yr., **60c.**

HALL'S JAPANESE HONEYSUCKLE (Lonicera Halleana)

This is one of the finest of all vines that one can plant. It is attractive and thrives in practically all situations. Splendid on trellises, arches, porches, or for covering fences, poles or old dead or ugly tree trunks. It is a strong, vigorous almost evergreen sort, with pure white flowers, changing to yellow. Very fragrant, and covered with flowers from July to October; holds its leaves till January. The best bloom of all. 2-yr., **60c**; 3-yr., **75c.**

MATRIMONY VINE (Lycium)

Well known, hardy, fast-growing vine; handsome when covered with scarlet fruit in autumn. Commonly used as a trailer, and for a ground cover under trees and on terraces or any kind of steep slopes to hold the soil in place. Strong, 3-yr., each, **60c.**

POLYGONUM (Silver Lace Vine)

The plant is of strong, vigorous growth, attaining a height of 25 feet or more, producing through the summer and fall great foamy sprays of white flowers, and a well established plant during its long flowering period is a mass of bloom. This vine does well East, in the Middle West and the West. Pot-grown, **$1.00.**

WILD GRAPE VINE

We have fine cultivated vines of these rapid growing, hardy climbers, well suited to the covering of stumps, arbors, etc. 2-yr., **50c.**

WISTARIA MAGNIFICA

A strong, rapid-growing vine with light-green compound foliage of an evergreen nature and purple-lilac, pea-shaped flowers, borne in very dense, long, pendulous racemes in advance of the opening of the foliage. 2-yr., extra strong, **75c**; 3-yr., **85c.**

Vaughan's Fruit Trees

IMPORTANT. Unpack and examine all packages on arrival, and if roots are dry, give a good soaking with water. Never let trees lie about with their roots exposed to the air. If several have to be planted, open a trench and "heel in" the roots and then plant at your leisure.

APPLES

The apple has always been recognized as the universal fruit. It thrives in practically every state in the Union and succeeds on all well-drained tillable soils. Every land-owner should grow enough apples and other fruits for his own family.

We offer the following selected varieties:

	Each	3 for	10 for
4 to 5 ft.	$1.20	$3.00	$ 9.00
5 to 6 ft.	1.50	4.00	12.00
6 to 7 ft.	2.00	5.00	15.00
7 to 8 ft.	2.50	6.50	20.00
8 to 10 ft., specimens	4.00	11.00	35.00

Autumn Strawberry. Red stripes, very white flesh. Bears young, September to October. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Baldwin. Large, roundish; deep bright red; juicy, crisp, sub-acid, good flavor, very productive of fair, handsome fruit. One of the most popular commercial varieties in northern states. December to March. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Banana. The Banana is a wonderfully beautiful, brilliant, transparent, waxen yellow winter apple with a bright pink and red blush on the sunny side. It is large to very large, somewhat round and tapering at the blossom end. Fine quality. November to January. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Ben Davis. Large, handsome, striped, productive; a late keeper. Tree remarkably healthy and vigorous. A profitable, market sort. December to March. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Black Ben Davis. Stronger, hardier, and a better drought-resister than Ben Davis; fruit large, solid, deep dark-red. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Duchess of Oldenburg. Tree a strong grower, young and abundant bearer. Fruit large, yellow, streaked red, rich sub-acid flavor, juicy and good. Valuable in all sections for both market and home use. Early September. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.

Vaughan's Fruit Trees—Continued

APPLES—Continued.

Delicious. Fruit large, nearly covered with brilliant dark-red, flesh fine-grained, crisp, melting; very highest quality. Splendid keeper and shipper. November to April. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.

Early Harvest. Medium to large; pale yellow; tender, with a mild, fine flavor. An erect grower and a good bearer; excellent for orchard and garden; one of the first to ripen. Middle to end of August. 4 to 5 ft., 5 to 6 ft.

Fameuse (Snow Apple). Medium size; deep crimson; flesh snowy-white, tender, melting and delicious; one of the finest dessert fruits, and valuable for market; succeeds particularly well in the north. October to December. 4 to 5 ft.

Grimes' Golden. Greatly prized as a hardy variety, producing annual crops. Medium, roundish oblate; rich golden-yellow, with small dots; flesh yellow, juicy, tender, crisp, rich, sprightly sub-acid, with a fine aroma. December to February. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.

Jonathan. Medium, pale yellow, nearly covered with brilliant stripes of lively red; flesh white, juicy, spicy, sub-acid, fine grained, rich. November to January. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Liveland Raspberry. Fruit good sized, clear, waxen white, striped crimson, flesh snow-white. Blooms late, is blight resistant, bears early. Makes a good filler. Summer apple. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.

Maiden's Blush. Large, flat; pale yellow with red cheek; beautiful, tender and pleasant. September and October. 4 to 5 ft., 5 to 6 ft.

McIntosh Red. Large; skin yellow, nearly covered with bright red; flesh white, tender and juicy. A popular bright red apple largely grown in the north where hardiness is required. November to February. 4 to 5 ft., 5 to 6 ft.

Northern Spy. Large, somewhat ribbed. Flesh white and tender, with a mild sub-acid, rich and delicious flavor. December to March. 4 to 5 ft., 5 to 6 ft. 6 to 7 ft., 7 to 8 ft.

Northwestern Greening. Yellow, smooth, rich, of good size, resembling Grimes' Golden in shape and color; good quality and an extra long keeper. Tree hardy, vigorous, abundant annual bearer. October to April. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.

Perry Russet. Medium; flesh greenish, crisp, juicy, and richly flavored; tree vigorous, hardy, and very productive. 4 to 5 ft., 5 to 6 ft.

Red Astrachan. Large, beautiful deep crimson, overspread with a thick bloom; juicy, rich, acid, productive. One of the best summer apples. August. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft., 8 to 10 ft.

Rome Beauty (Late Winter). A large, bright red apple that is tender fleshed, juicy, good quality and an A-1 cooker. Bears young, blooms late, fruit hangs firmly and can always be depended upon for a full crop. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.

Stayman's Winesap. The largest of the Winesap family. Striped and splashed with dark crimson, resembling Winesap, except that the color is not quite so brilliant; flesh tinged with yellow, firm, crisp, sprightly pleasant, with a rich sub-acidity that appeals to everyone. Very good quality. December to April. 4 to 5 ft., 5 to 6 ft , 6 to 7 ft.

Tolman Sweet. Medium, pale yellow, slightly tinged with red; firm, rich and very sweet; the most valuable baking apple; productive. November to April. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.

Wagener (Red Winter Apple). Wagener is one of the most beautiful winter apples ever grown. It is of the highest quality, the flesh being crisp, tender and aromatic. We know of no apple possessing greater beauty or of finer quality. It succeeds well east and west. December to May. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Wealthy. The best, handsomest, most satisfactory fall apple. Largely planted throughout the United States. It is large and uniform in size, a brilliant red all over, marked with stripes and splashes of deeper red. The tree grows large and symmetrical, is an enormous bearer and is hardy and thrifty. Wealthy trees bear extremely young and none more profitable earlier in life. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft., 8 to 10 ft.

Yellow Transparent. One of the most desirable early apples in cultivation. Early bearer, frequently producing fine fruit on 2-year trees in nursery rows. Good grower and hardy, fruit pale yellow, good size and good quality, skin clear, white at first, becoming a beautiful pale yellow. July and August. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.

CRAB APPLES

Prices same as Standard Apples

The Crab Apple has many points of excellence. It makes a fine ornamental tree, perfectly hardy, and will grow in any kind of soil. It bears very early and every year. Unequaled for jelly and for vinegar; can be dried or preserved.

Hyslop. The fruit is covered with brilliant carmine to dark purplish-red, overspread with a thick blue bloom. It is roundish, uniform shape; large size for a crab. Good for jellies and cooking purposes. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Siberian. Sour and acid; excellent for jelly; a good grower. 4 to 5 ft., 5 to 6 ft.

Transcendant. An old variety, well known for its bright red color, good size and juicy, crisp yellow, sub-acid flesh; roundish oblong shape. Very good for culinary uses. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft.

Whitney. One of the largest, glossy green splashed carmine. 4 to 5 ft., 5 to 6 ft., 6 to 7 ft., 7 to 8 ft., 8 to 10 ft.

CHERRIES

Early Richmond. Medium size, dark red; melting, juicy, sprightly acid flavor. This is one of the most valuable and popular of the acid cherries for cooking purposes and production. June. 4 to 5 ft., each, **$1.50**; 3 for **$4.00**; 10 for **$12.00**; 5 to 6 ft., each, **$2.00**; 3 for **$5.70**; 10 for **$17.50.**

Early Richmond (Grafted on Morello). This is the best type of Early Richmond for the vicinity of Chicago, producing fruit much earlier than trees grafted on Mahaleb, etc 3 to 4 ft., each, **$2.00**; 3 for **$5.70**; 10 for **$17.50.**

Montmorency. A popular market variety; good for all purposes. Vigorous grower, very productive. Fruit large, light red; ten days later than Early Richmond. Late June. 4 to 5 ft., each, **$1.50**; 3 for **$4.00**; 10 for **$12.00**, 5 to 6 ft., each, **$2.00**; 3 for **$5.70**; 10 for **$17.50.**

Windsor. Fruit large, liver-colored, flesh remarkably firm, sweet and of fine quality. Tree hardy and very prolific. Very valuable late sort. July. 4 to 5 ft., **$2.00**; 3 for **$5.70**; 10 for **$17.50.**

Zumbra. A new origination from the Minnesota State Breeding Farm. A crossbred tree having sweet Cherry and native pin and sand Cherry blood. The fruit in size, color, appearance, and flavor resembles the great black sweet cherries shipped from California. The fruit reaches an inch in diameter and is borne on the one-year-old wood. The color is very dark, nearly black; flesh firm, greenish, with a tinge of red. The pit is very small and separates easily from the flesh. Good for eating direct from tree and splendid for preserving. 4 to 5 ft., **$2.00**; 3 for **$5.70**; 10 for **$17.50.**

DWARF APPLE AND PEAR TREES

The Dwarf Apple and Pear Trees come into bearing much earlier than the Standard Trees. Their low, broad heads are within reach so that the fruit can be easily picked. These trees take up so little room that they can be planted in the garden, or even on the lawn, and with care will bear good crops within three or four years. The fruit is of extra high quality. Dwarf Trees should be planted about 8 feet apart. When first planted and each spring thereafter, trim off one-third to one-half of the previous season's growth. We have the following list to offer:

Dwarf Apples. 3 to 4 ft. Each, **$1.65**; 3 for **$4.80**; 10 for **$15.00.** 4 to 5 ft., each, **$2.50.** Delicious. Duchess, McIntosh, Wagener, Wealthy, Yellow Transparent.

Dwarf Pears. 3 to 4 ft. Each, **$1.65**; 3 for $4.80; 10 for **$15.00.** Bartlett, Clapp's Favorite, Duchess, Seckel.

PEARS

The soil best adapted for Pear culture is of rich and heavy quality. The fruit of summer and autumn varieties should be picked as soon as it attained full size, when, if ripened in dark, dry closets, it is not subject to rotting at the core, and develops its best flavor. Pick winter sorts as soon as the weather indicates the liability of hard frost. Spraying is desirable at the blooming season, but leaf-blight can be treated by cutting away the diseased limbs entirely. Thinning increases size and quality of remaining crop.

Height	Each	3	10
4 to 6 ft.	$1.50	$4.00	$12.00
6 to 7 ft.	2.25	6.45	20.00
7 to 8 ft.	3.50	9.75	30.00

Bartlett. The most popular summer pear; large fruit of musky melting flavor. The tree is a vigorous grower, an early and abundant bearer. August and September. 4 to 6 ft.

Clapp's Favorite. Resembles the Bartlett, ripening a few days earlier, hardy and vigorous either on the pear or quince. Care should be taken to pick the fruit at least ten days before ripe. 4 to 6 ft.; 6 to 7 ft.; 7 to 8 ft.

Duchess. A fall pear, large fruit, rich and juicy. A popular market variety. 4 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Early Harvest. Early; good size. 4 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Flemish Beauty. Large, juicy, rich, one of the hardiest. September and October. 4 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Kieffer. Large to very large; a rich yellow often with a handsome red cheek. The flesh is juicy, good. Remarkably fine shipper and excellent for canning. October. 4 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Koonce. Thoroughly tested for several years. Has produced good crops when all other varieties were killed by frost. Fruit medium to large, yellow with carmine cheek; quality good; ripens in time for the earliest market. July and August. 4 to 6 ft., 6 to 7 ft., 7 to 8 ft.

Seckel. Small, yellowish-brown, red cheek; best to eat out of hand, or pickle. 4 to 6 ft.

PLUMS

Any of the following (except where noted) 4 to 5 ft. trees, each, **$1.50**; 3 for **$4.00**; 10 for **$12.00.**

Our plums are on plum roots, making them hardier and longer-lived than when on peach roots which are generally offered.

Abundance. This is the plum for you, if you try but one. Lemon-yellow ground, nearly overspread with cherry; flesh yellow. August.

Burbank. The best and most profitable among growers for market. Tree hardy, sprawling, vigorous grower, unequaled in productiveness; fruit large, excellent quality, cherry-red with lilac bloom. August.

HANSEN HYBRID PLUMS

Prices and sizes same as above.

The most of these plums are a cross between the Sand Cherry which grows wild in the western part of the Dakotas and in Montana, and Japanese varieties grown in California. These fruits are many of them very large, as a rule come into bearing when they are two years old and produce wonderful crops of fruit of exquisite flavor.

Opata. A vigorous grower, trees often bearing fruit one year after planting. Fruit is of medium size, dark purplish red, with blue bloom. Flesh of fine flavor, sweet and juicy.

Sapa. An extremely early, vigorous bearer. Fruit medium size, glossy black; flesh reddish purple, excellent flavor, skin very tender.

Waneta. One of the latest of Prof. Hansen's hybrids, being a cross of the Terry and Japanese apple plum. It bears the largest fruit of any of the hybrids, one specimen plum being 2 inches in diameter. The fruit is red, thin-skinned, and has a sweet and delicious flavor.

NEW MINNESOTA PLUMS

These are crosses between the great California plums and our native plums. From their native parents they have the hardiness to withstand the rigors of the northern climate and from the California plums the size and eating qualities we have long been looking for. These trees come into bearing early and should be set from 18 to 20 feet apart. The fruit is large and easy to pick.

Loring Prize. This plum was recently awarded the Loring Prize offered for a plum combining the best fruiting quality plus the hardiness required for northern plantings. Fruit large, bright red, small-pitted, and has a wonderful flavor. Splendid for table or cooking. Ripens early and is an abundant bearer. 4 to 5 ft., each, **$2.00**; 3 for **$5.70**; 10 for **$17.50.**

Underwood. This is the earliest of the large new plums. The tree is a very strong grower and produces a wonderful crop. Fruit is very attractive; red, firm, juicy flesh, very small pit. An annual bearer. 4 to 5 ft., each, **$2.00**; 3 for **$5.70**; 10 for **$17.50.**

Vaughan's Small Fruits

RASPBERRY—Latham or Minnesota No. 4

BLACKBERRIES

Price, each, 25c; 3 for 65c; 10 for $1.50; per 100, $10.00.
2-year transplants, each, 30c; 3 for 75c; 10 for $2.00.
If to go by mail, add 10c per ten, or 60c per 100 for postage and packing.

Blowers. The Blowers is a large oval berry, jet black color, sweet, juicy. Fruit ripens through long season. It originated in New York and is proving to be very vigorous and productive. It is one of the most profitable and satisfactory berries grown, but is not hardy in northern states.

Eldorado. The vines are very vigorous and hardy, enduring the winters of the far northwest without injury, and their yield is enormous. Berries large, jet black. Large clusters.

Snyder. Extremely hardy; enormously productive the first few years; size medium, no hard, sour core; sweet and juicy; ripens early.

GRAPES

Price (except where noted), 2-year, **each, 50c; 3 for $1.35; 10 for $4.00; per 100, $35.00;** 3-year, **each, 65c; 3 for $1.80; 10 for $5.50; per 100, $50.00.**

In addition to the above sizes, we can offer **Concord** 4-year, **each, 75c; 10 for $6.50.**

If to go by mail, add 10c each or 50c per 10 for postage and extra packing.

Agawam (Red or Maroon). Bunch usually loose, shouldered; berries large; skin thick, flesh pulpy, meaty, juicy, of a rich aromatic flavor; ripens about with Concord; a good keeper. Succeeds best in central and southern states.

Brighton (Dark Red). Bunches large, berries medium size, skin thin, flesh tender, quality the best. Must be grown with other sorts, as it does not pollenize itself. One of the best early red grapes.

Caco—New Red Grape. A variety of exceptional merit and should be in every collection planted. It combines more good qualities than any other variety introduced in many years. The Caco is perfectly hardy in all parts of the country. It has been pronounced by the best growers in America to be equal in quality to any variety grown either out-of-doors or under glass. It is the most beautiful of the hardy grapes, the bunches are large, well shouldered, color wine red with abundant bloom. Bunches are compact and of good size and form. Earlier than Concord and is sweet and palatable several weeks before it is fully ripe. The vine makes a very strong growth hence is valuable for covering trellis or screen. Caco is beyond doubt one of the best of our native grapes. 1-yr. extra strong vines. **Each, $1.00; 3 for $2.85; 10 for $8.00.**

Campbell's Early (Black). A grape well adapted to general use in all sections. Large, nearly round, often an inch or more in diameter; black, with light, purple bloom; skin thick, flavor rich and sweet.

Catawba (Red). Bunches large and loose; berries large, of coppery red color, becoming purplish when well ripened. Late bearing and the standard variety for grape juice.

Concord (Black). The most popular Grape in America. Bunch large, compact; berries very large; skin very tender; flesh sweet, juicy. Vine a vigorous grower. Very hardy and productive. Succeeds everywhere.

Delaware (Red). Bunches small, compact, shouldered; berries small, round; thin skin; flesh very juicy and very sweet; of high quality, but a weak grower. Early and abundant bearer.

Diamond. The leading early white grape. Bunch medium, berry large, white with rich yellow tinge; juicy, almost free from pulp. Succeeds well in north.

Hubbard—The New Black Grape. Quality sweet and delicious, having that fine and pleasant flavor approaching the European or Vinifera grapes. Seeds few and small which separate freely from the tender pulp. Skin thin and firm. Berries and bunch large and uniform. Ripens about ten days earlier than Concord. We have investigated many new grapes in the past ten years and found no other grape with so many excellent points. The Hubbard grape being of better quality, a better shipper, better size, healthy foliage, a strong grower and early-ripening makes it a more desirable grape to plant than either Concord or Niagara. Does better when cross pollenized. **2-year, each, 75c; 3 for $2.10; 10 for $6.50.**

GRAPES—Continued.

Lueile. Ripens between Moore's Early and Worden. The flavor is sweet. The bunch is large and compact. It is excellent for market anywhere, but especially in the north, because it ripens so early. It is a strong, robust grower, yields as much or more than Concord and ripens its wood to the tips and therefore never winter-kills. It never drops its berries, but when over-ripe, it gradually dries up on the vines.

Moore's Early (Black). Bunch medium; berry large, round, with a heavy blue bloom; vine hardy and moderately prolific. The standard early variety and does well in all sections.

Niagara (White). The standard market white grape. Berries large and handsome; very sweet; bunch often shouldered. Vine very vigorous and productive, succeeding best in central and southern states. Should not be picked too early.

Worden (Black). A seedling of the Concord. Bunch large, compact, handsome; berries large—larger than those of the Concord. It ripens a few days earlier and is superior to it in flavor. Very popular for the vineyard and garden.

RASPBERRIES

Price (except where noted), **each, 20c; 3 for 50c; 10 for $1.20; per 100, $8.00.**
If to go by mail, add 10c per doz., 50c per 100 for postage and packing.

Columbian (Purple). Valuable and profitable. The fruit is cone-shaped, almost purplish color. Especially good for canning as it holds its shape and color well. Price, each, **25c; 3 for 65c; 10 for $1.50; per 100, $10.00.**

Cumberland (Black). Extra large, oval, rich and juicy. Best quality, firm and stands handling well. Canes vigorous, productive and hardy. The best of all. Good shipper.

Cuthbert (Red). Scarlet-crimson, large, conical, handsome, firm and juicy. Canes are strong, vigorous, upright and hardy. The best and most widely planted red raspberry for home market.

The Herbert Raspberry (Red). A very strong grower, hardy and very productive. Fruit large to very large; conical, bright to rather deep red; moderately firm; sweet and sub-acid, juicy and of good flavor. Does not do well in south, but is well recommended for northern plantings.

Latham or Minnesota No. 4. A new variety originated at the Minnesota State Breeding Farm. Plant is extremely hardy. Berries are of an immense size, dark red in color, firm and well flavored. Because of its hardiness, probably the best for northern and central plantings. **Price, each, 25c; 3 for 65c; 10 for $1.50; per 100, $10.00.**

Plum Farmer (Black). Earlier than Cumberland, maturing the entire crop in a very short period, making one of the most profitable early market sorts. The berries are thick-meated, firm. Berry large and very attractive.

NEW EVER-BEARING RASPBERRIES

Erskine Park (Red). It bears a good June crop and then after the old canes have been cut out, fruit buds begin forming on the tip ends of the new growth and begin to ripen about September 1st and continue to ripen till late fall. Fruit is quite large and of excellent flavor; firm enough for market and very productive. Especially adapted for northern states; does not succeed in south. Price, each, **25c; 3 for 65c; 10 for $1.50; per 100, $10.00.**

St. Regis (Red). Gives raspberries for four months the first year planted. The berries are large and of very fine quality, rich and sugary, and keep longer after picking than any other red raspberry. They are of a bright crimson color, and firm, meaty substance. It is the earliest of all red raspberries, commencing to ripen in June, and bears a tremendous crop on the first canes, while the young canes continue to bear fruit in increasing numbers until frost. Canes should be kept thinned out and plants well fertilized. **Awarded the highest certificate of merit by the American Institute of New York.** Price, each, **25c;** 3 for **65c; 10 for $1.50; per 100, $10.00.**

VICTORY

The Great Red Raspberry

Victory is a seedling of the Cuthbert, one of our best old raspberries, and resembles that grand variety. Victory has produced regularly for several seasons nearly twice as much fruit as Cuthbert, bush for bush, and acre for acre, grown in the same field, under exactly the same conditions. Victory berries are very much larger than Cuthbert and of better quality and flavor. Ripens a week ahead and continues to fruit two weeks later than Cuthbert. Victory is a **money maker,** fruit having sold at sixteen cents a pint box **more** than other varieties in the Chicago market. Each, **25c;** 3 for **65c; 10 for $1.50; 100, $10.00.**

RHUBARB

Vaughan's Mammoth Rhubarb Roots

If to go by mail, allow for postage, 1-yr., 1 lb.; 2-yr., 1½ lb.; 3-yr., 2 lbs. 1-year, each 25c; 3 for 45c; 10 for $1.30. 2-year, each, 30c; 3 for 75c; 10 for $2.25. 3-year, each, 50c; 3 for $1.35; 10 for $4.00.

RASPBERRY AND BLACKBERRY CULTURE

For home culture, Blackberries should be planted in rows 3 to 4 feet apart and 2½ to 3 feet apart in the rows; for commercial culture, rows 8 feet apart. The first year after planted, the canes should be cut about 2 inches from the ground, and when grown to be about 18 to 24 inches high, the ends should be pinched off, causing them to branch. All old canes should be cut out after fruiting and the young shoots thinned out, leaving them about 6 to 12 inches apart, and pruned back about one-third. Mulch in late fall.

Raspberry culture is the same as Blackberries, except that they may be put closer in the rows if desired, and it is not necessary to tip so severely. The black and purple varieties do not sucker, but send up new shoots from the crown of the plants so the old canes should always be cut out to give strength to the new canes.

Hardy Coniferous Evergreens

JUNIPERUS PFITZERIANA
A Graceful Specimen for Lawn or Mixed Border

EVERGREENS include some of the most beautiful trees in cultivation, and varieties may be selected which are adapted to almost any soil or climate. We are giving attention to the propagation and culture of perfectly hardy species and varieties which are the most useful to the general planter, and the list offered below comprises those most in demand as individual specimens and for windbreaks. As individual specimens for lawn planting, it is difficult to imagine anything more stately and beautiful.

To be successful, transplanting should be done during the early spring, **April** or **May**, and in **September**.

We advise the planting of the larger specimens quoted. By this means you get immediate results, which otherwise would take time to obtain. **We do not pay Express or Freight charges on Evergreens.**

ABIES (Firs)

Concolor. A majestic tree and the most dependable fir in cultivation. Leaves light glaucous green. Cones 3 to 5 inches long, green or grayish-green. 2½ to 3 ft., $8.00.

JUNIPERS AND CEDARS

Canadensis (Canadian Juniper). Of low spreading, irregular form with foliage of light green. Valuable for rockeries and slopes. 2 to 2½ foot spread, each, $5.00.

Communis Hibernica (Irish Juniper). Now becoming one of the best-known and most popular forms of our common Juniper. Of uniform, rapid growth, requiring but little trimming. 2½ to 3 ft., $3.50.

Japonica. Foliage beautiful glaucous green, regularly interspersed with branches of a pure white. A distinct, rare and beautiful variety. 24 by 30 in. $5.00; 30 by 36 in., $7.00.

Pfitzeriana. One of the best Junipers. Makes rapid growth. Boughs arc of a thick, rich green, and inclined to droop, making it one of the most desirable as a specimen plant or excellent for rock gardens, where perpetual green is desired. It attains a height of about 12 feet. 24 to 30 in. spread, $8.50; 3 to 3½ ft. spread, $15.00; 3½ to 4 ft. spread, $20.00; 6 ft. by 7 ft. specimens, $40.00 to $45.00; 7 by 8 ft. specimens, $50.00 to $65.00.

Sabina (Savin Juniper). A dwarf evergreen having numerous semi-erect spreading branches. An ideal tree for foundation groups, low borders or rock work. Prefers dry, rocky, sunny slopes. Very hardy. 18 to 24 in., $3.50; 10, $32.50; 24 to 30 in., $5.00; 10, $45.00.

Sabina Prostrata (Creeping Savin Juniper). A low-growing, trailing variety with spreading branches which form a dense mat over the ground. The attractive foliage is a soft blue in spring and summer, changing to a shade of rich purple in late fall. 12 to 18-inch spread, $4.00.

JUNIPERUS VIRGINIANA

Suecica (Swedish Juniper). Similar to the Irish, though not so erect, with bluish-green foliage of a somewhat lighter color than the Irish, forming a beautiful pyramidal small tree. 2½ to 3 ft., $4.00.

Virginiana (Red Cedar). Tall-growing, one of the best known of the Junipers. Stands pruning well; excellent for hedges or for lawn specimens. Hardy, of rapid growth, usually conical in habit and very dense; foliage a good dark green, turning to bronze in winter. 3½ to 4 ft., each, $3.50; 10 for $30.00; 4 to 4½ ft., each, $5.00; 10 for $40.00; 4½ to 5 ft., $7.00; 10 for $60.00; 5 to 5½ ft., $10.00.

Virginiana Elegantissima. A distinct and beautiful variety of the Red Cedar, with golden bronze foliage; particularly attractive in winter. 5 ft., $15.00; 6 ft., $20.00.

Virginiana Glauca (Blue Virginia Cedar). A vigorous growing variety, with foliage of silvery tinge, compact and conical in form. Makes a fine tree. 3 ft., $7.00; 3½ ft., $8.00; 4 ft., $9.00; 6 ft., $16.50; 8 ft., $25.00.

Virginiana Schottii. Best of all the upright green Junipers; fine pyramidal form with foliage of a peculiar bright green. 4 ft., $7.00; 4½ ft., $8.00; 5 ft., $10.00; 6 ft., $15.00.

LARIX (Larch)

Europaea (Common European Larch). A hardy deciduous conifer, of rapid growth, with fine needle-like leaves. A valuable timber tree, and fine for mixed plantings. 7 to 8 ft., $8.00 to $10.00; 8 to 10 ft., $12.00 to $15.00.

PICEA (Spruce)

Alba (White Spruce). A tree native to America and hardy under all conditions. Light green almost silvery foliage. Makes a large tree when allowed to develop, but may be confined by shearing. 3 ft., $4.50; 3½ ft., $5.00; 4 ft., $6.00.

Canadensis (Black Hill Spruce). A handsome, small tree, with slender pendulous branches; dense and compact; deep green color; does well in cold climates and light dry soils. Makes a beautiful lawn specimen and is splendid for hedge plantings or windbreaks. 2½ ft., each, $4.00; 3 ft., each, $5.00.

Excelsa (Norway Spruce). A tall and beautiful tree, the most widely grown of all the spruces, equally adaptable to planting as specimens on lawns, for shelter or windbreak. 12 to 18 in., not bailed and burlapped, for window boxes, each 65c; 10, $5.50; 100, $45.00; 18 to 24 in., not baled and burlapped, for window boxes, each, 75c; 10, $6.50; 18 to 24 in., each, $1.50; 10, $12.50; 2 to 2½ ft., each, $2.00; 10, $17.50.

KOSTER'S BLUE SPRUCE

Pungens Glauca Kosteriana (Koster's Blue Spruce). A rapid vigorous grower, with stiff, close branches and brilliant, rich silvery blue foliage. Perfectly hardy under all conditions. More in demand at the present time than any other conifer. The stock we offer is the "Compacta" type, which is far more regular, compact and dense than the ordinary Colorado Spruce, besides being of the deepest steel-blue. Beware of seedlings offered at low prices; these are not as blue in color nor as symmetrical and regular in shape. Well-shaped trees, especially selected from our large stock. The variation in these prices is due to the great variation in the individual specimens as to color, shape, symmetry and general appearance. 2½ ft., each, $18.00; 3 ft., each, $20.00; 8 to 10 ft., each, $50.00 to $75.00; 10 to 12 ft., each, $75.00 to $100.00.

For Larger Specimens, Write for Prices.

Pungens Glauca (Colorado Spruce). This excellent native Spruce can be supplied in two colors—slate blue and green. Selected blue, 2 ft., each, $8.00; 2½ ft., each, $10.00; green, 2 ft., each, $5.00; 2½ ft., each, $7.00.

TAXUS (Yew)

Cuspidata Brevifolia (Dwarf Japanese Yew). A handsome and rare variety of fine, bushy habit; spreading branches with short, deep rich green leaves. Valuable for low foundation planting or hedge. 12 in., $5.00; 18 in., $6.00; 24 in., $8.50.

PINUS (Pines)

Austriaca. A robust, stately tree of rapid growth, and very hardy. 18 to 24 in., $2.00; 24 to 30 in., $2.75.

Mugho (Dwarf Pine). A low-growing handsome evergreen with vividly colored leaves of a twisty nature and cones of a brown, grayish tinge. Extra fine. 18 to 24 in. spread, $5.00; 24 to 30 in. spread, $7.00.

Ponderosa (Bull Pine). A handsome, ornamental tree with long, massive needles of good green color, bluish-white underneath. Very deep-rooted and drought-resistant. 2 to 2½ ft., $2.75; 10 for $25.00; 2½ to 3 ft., $3.50.

Sylvestris (Scotch Pine). Of rapid growth, with strong branches and short, stiff, bluish-green foliage. Valuable for screens and windbreaks as it does well in exposed locations and will grow in light soil. 18 to 24 in., $1.75; 24 to 30 in., $2.50.

THUJA (Arborvitae)

Occidentalis (American Arborvitae). 12 to 18 in., not balled and burlapped; for window boxes, each, 75c; 10, $6.50; 18 to 24 in., not balled and burlapped, for window boxes, each, $1.00; 10, $8.50; 18 to 24 in., each, $1.75, 10 for $15.00; 2½ to 3 ft., $3.50; 3 to 3½ ft., $4.00; 3½ to 4 ft., $5.00.

Occidentalis Globosa. A round compact form, deep green foliage. Very shapely as specimens. 12 by 12 in., $3.00; 15 by 15 in., $4.00.

Occidentalis Hoveyi (Hovey's Golden). A slow-growing form with golden green foliage. 12 to 15 in., each, $3.00; 15 to 18 in., each, $4.00.

Occidentalis Rosenthalli. Hardy compact grower with dense foliage of dark green. 2½ ft., $4.50; 3 ft., $6.00.

Occidentalis Warreana. The hardiest of American Arborvitae, although of somewhat slower growth; it has most beautiful dense and symmetrical form with a rich dark green foliage. 24 in., $4.00; 2½ ft., $6.00; 3 ft., $7.50.

Occidentalis Pyramidalis (Pyramidal Arborvitae). A compact, narrowly pyramidal tree. Branches short and densely clothed with bright green foliage. Very formal and attractive. 2 ft., $3.00; 2½ ft., $4.00; 3 ft., $5.00.

KOSTER'S BLUE SPRUCE

Plant the Best Vaughan's Grass and Farm Seeds For Fall Sowing

New Rosen Rye

We have been growing this new Michigan variety for several years and consider it a great advance over other sorts. From all parts of the country there are reports of yields 20 to 30 per cent heavier than the common variety. It is a four row, winter variety, introduced by the Michigan Agricultural Experiment Station. Our seed is our own growing in Michigan and certified.

Peck, **70c**; bushel, **$2.15**; 10-bu. lot **$18.00.**

2-bu. grain bags, **50c** each, extra. If shipped from New York, add **30c** per bushel to these prices.

Common Rye

Our seed is a fine, clean, heavy yielding strain. Michigan-grown. Peck, **60c**; bu., **$2.05**; 10-bu. lot, **$17.00.**

2-bu. grain bags, **50c** each, extra. If shipped from New York add **30c** per bushel to these prices.

WINTER VETCH (Also Called Hairy or Sand Vetch

Should be sown early in fall. The best winter cover crop, especially fine for orchards. 10 lbs., **$1.80**; bu., **$8.90**; 100 lbs., **$14.00.** Grain bags, **50c** each, extra.

RED ROCK WHEAT (New)

Certified seed, our own growing in Michigan. An extra hardy red bearded sort, recently introduced by the Michigan Agricultural Station. A heavy yielder and in Michigan has proven even less liable to winter kill than Turkey Red.

Peck, **80c**; bu., **$2.70**; 10 bu., **$25.50.**

2-bu. grain bags, **50c** each, extra. If shipped from New York add **30c** per bushel to these prices.

TURKEY RED WHEAT

Well bearded and very heavy. The bearded wheats are by far the hardiest of the winter sorts. The heads of the Turkey Red are of good size and the plants stool out well. Carefully recleaned. Prices by freight or express at purchasers expense. Peck, **80c**; bu., **$2.70**; 10 bu., **$25.50.**

Grain bags, **50c** each, extra. If to be shipped from New York add **30c** per bushel to these prices.

KLONDYKE WHEAT

A bald or smooth wheat, red chaffed, with fine amber grain. Has displaced the old standard Golden Chaff, where grown in comparison.

Peck, **80c**; bu , **$2.70**; 10 bu., **$25.50.**

2-bu. grain bags, **50c** each, extra. If to be shipped from New York add **30c** per bushel to these prices.

HARVESTING ROSEN RYE ON OUR MICHIGAN FARM

CLOVERS, ALFALFA, TIMOTHY.

Brand—The highest market quality obtainable. We maintain our own seed laboratory. Every lot tested for germination and purity. Samples and analysis on request. Subject to market changes.

	10 lbs.	Bu.	100 lbs.
Alfalfa, Western	$3.15	$17.00	$27.50
Alfalfa, Dakota Dry Land (Hardy Northwestern)	3.50	19.60	31.50
" Grimm or Everlasting	6.10	34.00	50.00
Clover, Medium Red Fancy	4.10	22.70	37.00
" Mammoth Red Fancy	4.10	22.70	37.00
" Alsike Fancy	3.30	17.90	29.00
" Crimson	1.45	6.80	10.50
" Sweet or Bokhara	1.95	9.80	15.50
Timothy, Fancy	1.65	6.25	12.75

Grain bags **50c** each extra, F. O. B. Chicago. Add one dollar per hundred pounds if ordered from New York. Above prices represent values as this catalog went to press. Market is unsettled. Write for latest prices and figures on medium grades.

For Fall Planting Vegetable Seeds and Roots For Greenhouse, Frame or Garden

Winter Onion Sets

These are used for producing green onions for early spring use. No large bulb is formed, the sets being produced on the top of the stalk. Very productive, perennial and perfectly hardy. Planted in the fall to depth of 3 to 4 inches. **Pt.**, (½ lb.) **15c**; **qt.**, (1 lb.) **25c**; **pk.**, (7 lbs.) **$1.10**; ½ bu., (14 lbs.) **$1.90**; **bu.**, (28 lbs.) **$3.50.**

WHITE WELSH ONION. For green onions. Hardy with slight protection. **Pkt. 10c**; ½ **oz., 20c**; **oz., 30c**; ¼ **lb., 85c**; **lb., $2.75.**

Cucumber—English Frame Varieties

Rollison's Telegraph. Greenhouse, English grown. Pkt., **50c.**

GREENHOUSE AND FRAME VARIETIES

The Vaughan. (The best American Cucumber). Darker, thinner, longer and more prolific than the old standards like Davis Perfect. Pkt., **10c**; oz., **40c.**

Davis' Perfect. (Vaughan's Select Stock). Selected for length and tapering ends. Extra fine color. Pkt., **10c**; oz., **20c**; ¼ lb., **50c**; 1 lb., **$1 60.** Stock seed selected for forcing. Pkt., **15c**; 2 pkts., **25c**; ½ oz., **60c**; oz.. **$1.00**

Radish

Improved Early Scarlet Globe. Vaughan's Selected Stock. The standard red radish for hot bed and forcing use. An unequaled strain of this most popular sort. **Pkt., 10c**; **oz., 15c**; ¼ **lb., 45c**; **1 lb., $1.35.**

Giant Butter Radish. An improvement on the Crimson Giant. The largest of the early forcing radishes. **Pkt., 10c**; **oz., 15c**; ¼ **lb., 45c**; **lb., $1.25.**

Crimson Giant. A standard, very large and early forcing radish, a fine strain. **Pkt., 10c**; **oz., 15c**; ¼ **lb.**; **40c**; **1 lb., $1.15.**

Vaughan's 20-Day. The earliest olive-shaped Red Radish. Matures 20 days after sowing. Pkt., **10c**; oz., **15c**; ¼ lb., **40c**; lb., **$1.25.**

Spinach

Extra Large Round Leaf, Monstrous Leaved Viroflay, and Vaughan's Norfolk Savoy. Oz., 10c; ¼ lb., 15c; 1 lb., 50c.

MUSHROOMS GROWING IN A BASEMENT

Mushroom Spawn

(LAMBERT'S SPORE CULTURE)

Thousands of people are sucessfully raising delicious mushrooms in their basements, cellars and outbuildings. Write for free leaflet on culture. This vegetable is produced by planting Spawn. Our Spawn is always fresh; monthly shipments are received from our manufacturers.

The following strains produce fairly true to type:

No. 7. Brown. (Bohemia). Very hardy and a good producer.

No. 8. Cream Columbia. Mammoth Strain. Hardy and prolific.

No. 9. White Alaska. Mammoth Strain. A most popular sort with growers for the market.

Price—New Spore Culture. The latest process of manufacture. A much hardier and more prolific spawn than any yet produced. Price, Lambert's spore culture brick, (weight 1½ lb.) **35c**; 2 bricks for **65c**; 5 bricks, **$1.50**; 10 bricks, **$2.75**; 100 bricks, **$20.00.** Not prepaid.

Bottle Spawn. A comparatively new process of manufacture. Case of 12 bottles, **$14.00.** By express (not prepaid). We do not break the cases.

ENGLISH SPAWN. A very superior strain to the old English Milltrack Spawn. We are one of the largest handlers in the United States; fresh importations every few weeks (weight per brick 1¼ lb.) **Price**, brick, **25c**; 2 bricks, **40c**; 8 bricks, **$1.40**; 25 lbs., **$3.25**; 100 lbs., **$12.00**; not prepaid; if shipped from New York, **$11.50** per 100 lbs.; not prepaid. Special prices on half ton lots and up.

Lettuce

GRAND RAPIDS FORCING **Vaughan's Selected Stock For Greennouse Use.** This grand forcing variety is the hardiest of all sorts for greenhouse use and is planted now to the exclusion of almost all other sorts for the purpose. Our strain cannot be surpassed in quality. Bred from single plant selections.

Vaughan's Extra Selected Stock. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; 1 lb., $1.75.

Standard Stock. Pkt., 5c; oz., 15c; 2 oz., 25c; ¼ lb., 45c; 1 lb., $1.50.

BLACK-SEEDED SIMPSON. Forms large, loose leaves of idea l color. A good variety for use under glass and best for early outdoor planting.

Vaughan's Select Stock. Pkt., 10c; oz., 20c; 2 oz., 35c; ¼ lb., 60c; 1 lb., $1.75.

Tomatoes

For Under Glass. Best Re-selected Stocks.

Comet (Scarlet.) **Sterling Castle** (Scarlet), **Sunrise** (Scarlet), **Hubert's Marvel** (round like an apple), **Frogmore Selected** (Scarlet), **Best of All** and **Lorillard** (two old standards).

Above varieties, **Pkt., 15c** each.

Lister's Prolific (New). Latest popular English sort. **Pkt., 25c.**

New Globe, Chalk's Early Jewel and **Bonny Best**, American forcing varieties. **Pkt., 10c.**

Vaughan's Garden Tools and Requisites

PRICES GIVEN BELOW DO NOT INCLUDE PREPAYING OF CHARGES EXCEPT WHERE NOTED

FERTILIZERS (F. O. B. Chicago)

See Special Price Sheet for New York Prices.

BONE MEAL, Vaughan's "Rose Grower" Brand. Has been slightly steamed so that it can be ground fine, and is thus quicker in its action. **5 lbs., 45c; 10 lbs., 85c; 25 lbs., $1.75; 50 lbs., $2.55; 100 lbs., $4.10.**

BONE MEAL, "Regular Grade." 25 lbs., $1.45; 50 lbs., $2.30; 100 lbs., $3.75.

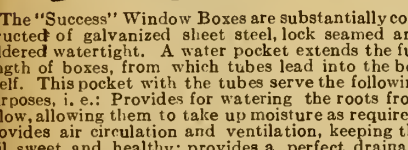
CATTLE MANURE (Shredded). A natural fertilizer for all general purposes. If applied to the lawn in the fall it protects grass roots through the winter. As easy and clean to handle as grain. **Price: 100 lbs., $2.45; 500 lbs., $10.20; 1,000 lbs., $17.40; 2,000 lbs., $33.80.** (Prepaid to nearest railroad station if within twenty miles of Chicago.)

NITRATE OF SODA or Chili Saltpeter. Nitrate of Soda is not a substitute for other Manures, but we recommend it as the cheapest and best form in which to apply Nitrogen to plants. Gardeners who are using farm manure should continue to use it, but use Nitrate of Soda in addition to other fertilizers. If your object is **to grow maximum crops** you must furnish the plant with Nitrogen. Cannot go by mail.
Price (subject to market changes), 5 lbs., 60c; 10 lbs., $1.00; 25 lbs., $2.00; 100 lbs., $5.85. Write for prices on larger quantities.

SHEEP MANURE (Pulverized). Excellent for mixing with soil for greenhouse plants; one part manure and six parts soil. **5 lbs., 35c; 10 lbs., 65c; 25 lbs., $1.25; 50 lbs., $1.85; 100 lbs., $3.00; 500 lbs., $10.90; 1000 lbs., $18.40; ton, $35.75.** (25 lbs. and up prepaid to nearest railroad station if within twenty miles of Chicago.)

VAUGHAN'S CONCENTRATED PLANT FOOD. This is the most useful fertilizer for all kinds of plants raised in pots. **Small pkg., 20c each. Large pkg., 30c each.**
Mailing weight, small, 10 oz.; large 17 oz. Each package contains full directions.

"SUCCESS" SELF-WATERING FLOWER BOXES



The "Success" Window Boxes are substantially constructed of galvanized sheet steel, lock seamed and soldered watertight. A water pocket extends the full length of boxes, from which tubes lead into the box itself. This pocket with the tubes serve the following purposes, i. e.: Provides for watering the roots from below, allowing them to take up moisture as required; provides air circulation and ventilation, keeping the soil sweet and healthy; provides a perfect drainage should the plants be excessively watered by heavy rains or other causes. In fact, it serves as an accurate gauge as to the condition of the soil at all times. The boxes are finished in an attractive shade of green enamel and will prove an addition to any home, hotel or office building. Since they are watertight, they are especially adapted for inside use, serving to beautify the exterior during the summer and adding a touch of brightness during the winter.

Outside dimensions of Window Boxes:

Length	Width	Depth	Price
24 in.	8½ in.	6¼ in.	$1.95
30 in.	8½ in.	6¼ in.	2.40
36 in.	8½ in.	6¼ in.	3.25
42 in.	8½ in.	6¼ in.	4.00

"SUCCESS" PORCH BOXES (Model D)

8-in. deep. 11 in. wide.			8 in. deep. 12 in. wide.		
No.	Length	Price	No.	Length	Price
23	42 in.	$5.75	25	60 in.	$7.75
24	48 in.	6.50			

"SUCCESS" SELF-WATERING HANGING BASKETS

No.	Depth	Square	Price	No.	Depth	Square	Price
10	7¼ in.	10 in.	$2.35	14	10¼ in.	14 in.	$3.25
12	8¼ in.	12 in.	2.75				

GLASS CUTTER, DIAMOND. Each, $5.00.

GLASS CUTTER, RED DEVIL. Each, 25c.

GLAZING POINTS, Vaughan's Perfection. No rights or lefts. **No. 2,** small, single thick glass; **No. 2½,** double thick, for greenhouse and skylights. **Price, per lb.** (approximately 900), **70c,** postage extra.
Siebert's Improved, ⅝ and ⅞, price per lb., 70c

HOTBED SASH. Unglazed, for 3 rows, 10-inch glass. **Each, $2.95; 3 for $8.55; doz., $33.00.**
Glazed, **each, $6.00; 3 for $17.50; doz., $68.80.**
For 8-inch glass, 4 rows, **each, $3.20; 3 for $9.25; doz., $35.60.**
Glazed, **each, $6.25; 3 for $18.35; doz., $71.00.**
Add 95c per sash for double strength.

HOTBED MATS.
Burlap. Lined waste wool and cotton quilted. Made of finest material.
Size A—40 in. x 76 in., **each, $2.65; doz., $26.00.**
Size B—76 in. x 76 in., **each, $3.75; doz., 36.00.**
Reed. 76x76. Each, **$2.50;** ten for **$22.50.**

INSECTICIDES AND FUNGICIDES

Insecticides containing Poison cannot be sent by mail.

Weights—By mail, ½ pt. 1 lb.; pt. 2 lbs.; qt., 3 lbs.

APHINE. A new insecticide discovery that kills plant lice of every species. Effective indoors and outdoors. **Per ½ pint, 40c; per pint, 65c; per quart, $1.00; gallon, $3.00.**

BLACK LEAF 40. Highly recommended as a spray for soft-bodied sucking insects. Follow directions carefully. **1 oz., 35c; ½ lb., $1.25; 2 lbs., $3.50.** (1 oz. makes from 5 to 10 gals. of spray).

FISH OIL SOAP. An excellent wash for trees and plants where insects and eggs affect the bark; also used for smearing upon trees to prevent worms crawling up. **Per lb., 30c; 5 lbs., $1.25.**

FLOWERS OF SULPHUR. For mildew on roses, etc. **Lb., 12c; 10 lbs., 85c; 25 lbs., $2.00.**

LEMON OIL. Destroys mealy bug, scale, thrip, red spider, etc. **½ pint, 35c; pint, 60c; quart, $1.00; ½ gal., $1.75; gal., $3.00.**

LIME-SULPHUR. The best remedy for San Jose scale. One gallon makes ten; one of the best Autumn sprays. **Qt. can, 40c; 1 gal., $1.00; 5 gal. can, $4.00.**

NICO-FUME. Strips of paper strongly saturated with Nicotine. These when suspended and lighted make one of the best and simplest methods of fumigating greenhouses. Use 4 to 6 sheets for ordinary house 100 feet by 20 feet wide.
Price, 24 sheets, $1.25; 144 sheets, $5.50; 288 sheets, $10.00.

NICO-FUME LIQUID. For fumigating or spraying; contains 40 per cent Nicotine. **¼ lb., 75c; 1 lb., $2.25; 4 lbs., $8.00; 8 lbs., $15.00.**

NIKOTEEN. Fumigating or spraying compound for killing insects on plants in greenhouses and frames. **½ pint, $1.10; pint, $2.00; 4-lb. bottle, $8.00; 8-lb. bottle, $15.00.**

SULPHO TOBACCO SOAP. For greenfly on roses. **8-oz. box, 25c; by mail, 30c; 3 ozs., 15c; by mail, 20c.**

TOBACCO STEMS. For fumigating. **5 lbs., 25c; 100 lbs., $2.25.**

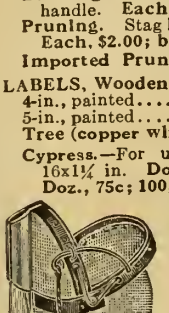
TOBACCO DUST. One of the best remedies for green and black aphis, fleas, beetles, etc., also for insects in the ground. **Lb., 15c; 5 lbs., 35c; 10 lbs., 60c; 100 lbs., $4.00.**

KNIVES. Budding. Ivory handle. **Each, $2.75; by mail, $2.80.**
Propagating. "The Vaughan," best of all. **Each, $1.25; by mail, $1.30.**
Budding and Propagating. Two blades, white handle. **Each, $1.50; by mail, $1.55.**
Pruning. Stag handle. English. **Each, $2.00; by mail, $2.05.**
Imported Pruning. $2.00; by mail, $2.05.

LABELS, Wooden, for Pots.

	Per 100	1000
4-in., painted	$0.30	$1.85
5-in., painted	.35	2.45
Tree (copper wired) 3½ in.	.40	2.65

Cypress.—For use outside, will last for years, 16x1¼ in. **Doz., 60c; 100 for $4.00;** 18x2 in. **Doz., 75c; 100, $5.00.**



MASTER FRUIT PICKER

No Broken Limbs

(on trees or men)

From Picking Fruit

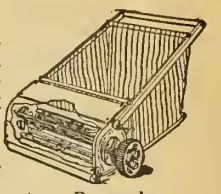
Mechanical Apple and Fruit Picker

So simple, children can pick fruit with no danger

For two years this picker has been successfully used in Northern Illinois. Now being offered to the Fruit Growers of United States, Canada and England.

Price $1.50. Parcel Post Paid.

LAWN SWEEPER



The Gem. Will clean a lawn more thoroughly than four men with hand rakes. Made of metal, wood and canvas, and lighter and less noisy than all metal. 24 in. cut. **Each, $32.00.**

LEAF MOLD. Peck 40c; Bushel Sack $1.25.

PEAT. For potting Orchids, etc... **Per sack, about 3 bushels..... $3.25**
Peat. For potting Azaleas..... **Per sack, about 3 bushels..... 3.00**

TUBS—(Flower) Richmond.
These are made of best seasoned White Virginia Cedar, securely bound with welded wire hoops. They are nicely painted green, paint of best oils.
Prices F. O. B. Chicago or New York.

No.		Each	Four	No.		Each	Four
1	6x 6	$0.85	$3.20	9	14x13	$2.25	$8.60
3	8x 8	1.00	3.80	11	16x15	2.90	11.00
5	10x 9	1.20	4.60	13	18x17	3.60	14.00
7	12x11	1.70	6.40	14	19x18	4.50	17.60

If handles are required add 35c per tub.
First figure following number of tub gives diameter in inches at top of tub; second figure depth in inches.

PUTTY (Twemlow's Old English). Semi-liquid. To be used in same manner as Mastica. **Price, per gal., $2.75.**

PUTTY BULB (Scollay's). A useful tool with a tube for applying liquid putty in glazing greenhouses. **Each, $1.50.** Mailing weight, 1 lb.

POTS, PANS AND SAUCERS

RED CLAY POTS.—We pack these carefully, but will not be responsible for breakages.

	Doz.	100	1000		Doz.	100
2 in.	$0.30	$1.50	$11.00	6 in.	$1.20	$8.50
2½ in.	.35	1.65	13.75	7 in.	1.65	12.95
3 in.	.50	2.60	17.50	8 in.	2.25	17.20
4 in.	.65	3.40	.....	10 in., each, 50c.		
5 in.	.85	6.00	.....	12 in., each, 80c.		

BULB PANS (RED)

	Each	Doz.		Each	Doz.
6 in.	$0.15	$1.20	8 in.	$0.25	$2.25
7 in.	.20	1.65	10 in.	.50	5.00

SAUCERS.—**Fibre,** waterproof and unbreakable.

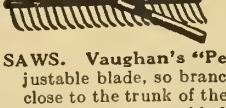
	Each	Doz.		Each	Doz.
5 in.	$0.35	$3.65	9 in.	$0.50	$5.35
6 in.	.40	4.00	10 in.	.60	6.00
7 in.	.45	4.25	12 in.	.70	6.75
8 in.	.48	4.95			

POTTING SOIL. This mixture is prepared by us. Suitable for all ordinary plants and bulbs; by express or freight at buyer's expense, ready for use. **Pk., 40c; bu., $1.25; bbl., $3.00.**

RAKES. Steel Bow Garden. Best, does not break in center; 12 teeth; $1.15; 14 teeth, $1.30; 16 teeth, $1.40.
Garden. 12 teeth, 65c; 14 teeth, 75c; 16 teeth, 85c.

LAWN RAKES

Automatic Self-Cleaning, A backward motion of the operator clears all the teeth at once. **Each, $1.50.**



Lawn Queen. Wire teeth, reversible head, 24 teeth, **each, 90c.** 36 teeth, **each, $1.25.**

SAWS. Vaughan's "Perfection" Pruning. Adjustable blade, so branches can be easily removed close to the trunk of the tree.
Each, $2.35; extra blades, **25c.**

SHEARS (Pruning)—Best Grade, 9 in. each, $2.00. Nickel-Plated, 6 inch, each, $1.50. Henckel, 8½ inch, **$2.75;** 9½ inch, **$3.25.**

SPRINKLERS. The Lenox. A splendid sprayer for in or outdoor plants, rose bushes, etc.
Each, 70c; by mail, 75c; extra bulbs, 25c each. Scollay's Rubber. Indispensable for floral work.
Large, $1.50; by mail, $1.55.

WATERING POTS. — American. Heavy galvanized round can, two copper-faced roses, long spout; 4 quart, $4.20; 6 quart, $4.65; 8 quart, $4.95; 10 quart, $5.40; 12 quart, $5.80.
French Style. Oval, otherwise same make as above; 6 quart, $5.25; 8 quart, $5.65; 10 quart, $5.95; 12 quart, $6.85.

Helpful Details Making Mail Orders Convenient and Safe

Send to the City Nearest Your Address

Vaughan's Seed Store

10-12 W. Randolph Street, CHICAGO
47-49 Barclay Street, NEW YORK

Order at Once Send in your order as soon as possible after receiving catalog. Bulbs for immediate planting will be sent at once, others at proper time, with due notification.

How to Order Use the order sheets accompanying this catalog. One order sheet is for **seeds, bulbs** and **sundries** (i. e. Insecticides, Manures, Poultry Supplies, etc.); the other for **plants, shrubs** and trees only.

Don't put **plants** and trees on the same order sheet with **bulbs** and **seeds.**

Important **Write your name, postoffice, state** and **express office** plainly with black ink, on every order, and every time you write to us. **Give plain express, mail or freight directions;** where none are given, we route the same at buyers' risk.

Quantity, Size, Price Always give the **quantity** required of **bulbs, plants or trees,** mentioning **size** where different sizes are offered, and carry out the **price** of each item.

Mistakes These will happen in spite of all care. Write us at once with copy of original order if possible, and mistakes will be promptly rectified. Please do not return goods until you hear from us.

Parcel Post **Fourth Class Mail Matter,** which includes seeds, plants, bulbs, roots, books, tools, insecticides (in dry and paste form) odorless fertilizers and requisites, may be forwarded by **domestic parcel post** within the United States. See table opposite showing postage you should add to insure **free delivery.** All poisonous **Insecticides,** are unmailable.

Express Service For most orders exceeding 20 pounds in weight and for plants requiring special packing, we urge they be expressed. **Mark order plainly if wanted by Express or Parcel Post.**

Time of Sending Not all fall bulbs are ready at the same time, but nearly all the Dutch and French importations are in the store by September 15. The following table gives approximate dates of arrival: **September 1—Lilium Candidum,** Roman Hyacinths, **Lilium Harrisii,** Freesias, Peonies. **September 15—**Hyacinths, **Daffodils** and **Narcissi, Tulips** and other Dutch bulbs, Callas. **October 20—**Full supply of Lilies, Chinese Narcissus, Dahlias and Gladiolus. **November 10—**Lily of the Valley, new crop Tuberoses. **Perennial Plants, September 15** until frost; **Trees** and **Shrubs** and all nursery stock, **October 1st** until frost.

Our Terms with customers not having an account are strictly cash with order. We make no C. O. D. shipments unless one-third of amount is paid in cash with order. **No trees, plants or other perishable stock, are sent C. O. D.**

How to Send Money Send by New York or Chicago draft, registered letters, or postoffice or express money order; both are cheap and absolutely safe. Small postage stamps are taken as cash, but we prefer larger denominations, such as fives, tens or fifteens. Registered letters can be sent from any postoffice, and your receipt sent you by return mail if demanded. If personal checks are used have them certified and add 15 cents for exchange cost. Put no currency in letter unless you register the same. Make money order payable to "Vaughan's Seed Store."

PARCEL POST

Vaughan's Seed Store at Chicago and New York, covers the United States in a remarkable way to secure cheap postal rates for its many mail order customers.

The weights of all bulbs and roots offered are given and customers are requested to add sufficient to their remittance to cover postage on total estimated weight of order at rates given in the following table.

DOMESTIC PARCEL POST RATES On Seeds, Plants, Bulbs, Roots, Books, Tools, etc., within the U. S. and Possessions.	First pound or fraction	Each additional pound or fraction
First Zone Chicago or New York City or 50 miles thereof	7c.	1c.
Second Zone within 50 to 150 miles of either	7c.	1c.
Third Zone within 150 to 300 miles	8c.	2c.
Fourth Zone within 300 to 600 miles	9c.	4c.
Fifth Zone within 600 to 1000 miles	10c.	6c.
Sixth Zone within 1000 to 1400 miles	11c.	8c.
Seventh Zone within 1400 to 1800 miles	13c.	10c.
Eighth Zone all over 1800 miles and Canada	14c.	12c.

NOTE.—Limit of weight for delivery within the first, second and third zones, 70 pounds; to Canada 11 lbs., to all other zones 50 pounds. If weight exceeds this, we will pack in 2 or 3 parcels (not more) provided money is remitted to cover postage. **Mark your Zone Number on order.**

Our Responsibility It is so manifestly impossible for a seller of any perishable article to be responsible for what may happen to it after it leaves his hands, especially one like seeds, which are planted in the ground under varying conditions of soil and climate, that we, in common with all American seed houses, disclaim responsibility as to the crop which may be raised from seeds which we sell.

At the same time, in case of any failure to secure proper results caused from some inherent fault in the seeds themselves, Vaughan's Seed Store accepts responsibility, not for crop, but to the extent of the amount of money paid for the seeds, if immediately advised. Or seeds may be returned.

We Do Not Warrant in any way, expressed or implied, the contents or the description, quality, productiveness or any other matter of any seeds, bulbs, plants, shrubs or trees sold by us, and we will not be in any way responsible for the crop. If the purchaser does not accept these goods on above terms, no sale is made thereof, and he must return them at once and money will be refunded. Subject to the above conditions, we make this sale at the moderate prices at which we sell our goods.

VAUGHAN'S SEED STORE, Incorporated.

Contents of Gardening Illustrated, Autumn, 1925

Explanation of Table Below: Numbers prefixed B, represent Bulbs; P, Plants and Trees; R, Roots; S, Seeds.

Page
Abies....P. 45
Achillea....P. 25
Alfalfa....P. 46
Almond, Flowering....P. 35
All Summer Collection of Dominant Flowers.... 4
Althea....P. 35
Alyssum....S. 21 P. 25
Amaryllis....B. 7
Amorpha....P. 35
Ampelopsis....P. 42
Anemone....20
Annuals....S. 21
Anomatheca (see Freesia)
Anthemis....P. 25
Antirrhinum....S. 21
A Page for Bulb Beginners.4
Apple Tree....P. 42, 43
Aquilegia....P. 25
Aralia....P. 35
Armeria....P. 26
Artemisia....P. 26
Ash....P. 40
Asparagus Fern....P. 34
Aspidistra....P. 34
Aster....P. 26

Barberry (see Berberis)
Basket Bottoms....24
Begonia....P. 34
Berberis....P. 35
Bird Houses, supplies....9
Blackberries....P. 44
Boltonia....P. 26
Books....24
Boston Fern....P. 34
Box Barberry....P. 35
Breeder Tulips....B. 13
Bulb Bowls....8
Bulb Collections....2, 3, 4
Bulb Planters....8

Caiendula....S. 21
Calla Lily....B. 23
Calliopsis....S. 21
Caiochortus....B. 20
Caiycanthus....P. 35
Campanula....P. 26
Canterbury Bell (See Campanula)
Caragana....P. 35
Carnation, Hardy....P. 26
Catalpa....P. 40
Cedars (Juniper)....P. 45
Celastrus....P. 42
Centaurea....S. 21 P. 26
Cephalantbus....P. 35
Chelone....P. 26
Cberry....P. 40
Chinese Lily....B. 6
Chinonantbus....P. 35
Chionodoxa....1
Chives....P. 26
Christmas Flowers....6
Chrysantbemum....P. 26, 34
Clematis....P. 42
Climbing Vines....P. 42
Clover....S. 46
Color Scbeme....3
Columbine (see Aquilegia)
Coreopsis....P. 26
Corcborus....P. 36
Cornus....P. 36
Cosmos....S. 21
Cotoneaster....P. 36
Cottage Tulips....B. 12
Crab Apple Tree....P. 43
Crocus....B. 20
Crotons....P. 34
Cucumbers....S. 46
Currant (Flowering) (See Ribes)
Cyclamen....P. 34

Daffodils (see Narcissus)
Daisy....26
Darwin Tulip....B. 11
Delpbinium....P. 21, 26
Deutzia....P. 36
Dianthus....P. 21, 26
Dieffenbacbia....P. 34
Dielytra....P. 27
Dog Supplies....9
Dogwood (see Cornus)
Dracaena....P. 34

Echinacea (see Rudbeckia)
Echinops....27
Elder (see Sambucus)
Eleagnus....P. 36
Elm....P. 40
Elscholtzia....P. 21
Eranthis....1
Erigeron....P. 27
Euonymus....P. 36
Evergreen Trees....P. 45
Ferns....P. 34
Fertilizers....47
Fiber (for Bulbs)....6, 7
Fibre for Baskets....24
Ficus....P. 34
Firs (Abies)....P. 45
Fisb Supplies....9
Flower Baskets....47
Flower Boxes, Tubs....47
Flower Pots, Pans....47
Flower Seeds....S. 21
Flower Tubs....47
Forsytbia....P. 36
Freesia....B. 6, 20
Fritillaria....1
Fruits....P. 44
Fruit Picker....47
Fuchsia....34
Fungicides....47
Funkia....P. 27

Gallardia....P. 27
Garden Furniture....9
Gingko....P. 40
Glass Cutter....47
Glazing Material....47
Godetia....S. 21
Grapes....P. 44
Grass Seed....S. 5, 46
Gravel....8
Gueider Rose (see Viburnum)
Gypsopbila....S. 21 P. 27

Hardy Pinks....P. 26
Helianthus....P. 27
Heliopsis....P. 27
Hemerocallis....P. 27
Honeysuckle (see Lonicera)
House Plants....P. 34
Hop Tree (ses Ptelea)
Hotbed Sash....47
Hotbed Mats....47
Hunnemannia....S. 21
Hyacintb Glasses....7
Hyacinths....B. 6, 9, 19
Hydrangea....P. 36
Hypericum....P. 27

Insecticides....47
Iris....P. 20, 28, 29

Joss Flower (see Chinese Lily)
Jonquils....B. 6
Junipers....P. 45

Knives....47

Labels....47
Larcb....P. 45
Larkspur (see Delphinium)
Lavender (see Lavandula)
Lavandula....P. 27
Lawn Making in Autumn....S. 5
Lawn Seed....5
Lawn Sweeper....47
Leaf Mold....47
Lettuce....S. 46
Leucojum....20
Ligustrum....P. 37
Lilacs....P. 37
Lily-of-the-Valley....R. 6, 22
Lilies....B. 22-23
Linum....21, P. 27
Locust....P. 40
Lonicera....P. 42
Lychnis....P. 27
Lycium....P. 37

Malus....P. 37
Maple....P. 41
Matrimony Vine....P. 42
Mertensia....P. 27
Monarda....P. 27
Morus....P. 38
Mourning Iris....20
Mulberry....41
Muscari....1
Mushroom Spawn....46

Narcissus....B. 6, 16 to 18
Narcissus (Cbinese)....B. 4
Nepeta....P. 27

Oak....P. 41
Onions....S. R. 46
Oxalis....B. 20

Palms....B. 34
Pandanus....P. 34
Pansy....21
Papaver....P. 27
Paper Whites....6
Parcel Post Rates....48
Peat....47
Pearl Chips....8
Pear Tree....P. 43
Peonies....P. 32, 33
Perennials....P. 25, to 31
Philadelphus....P. 38
Pblox....S. 21, P. 31
Physostegia....P. 30
Picea....P. 45
Pines....P. 45
Plant Tubs....47
Platycodon....30
Plum Tree....P. 43
Poinsettia....P. 34
Poplar....P. 41
Poppy....S. 21
Pots, Pans, Saucers....47
Porcb Boxes....47
Potentilla....P. 38
Potting Soil....47
Primula....P. 34
Privet (see Ligustrum)
Prunus....P. 38
Putty....47
Pyrethrum....P. 30

Radish....S. 46
Raffia....24
Rakes....47
Ranunculus....P. 20
Raspberries....P. 44
Reeds....24
Rbamnus....P. 38
Rbodotypos....P. 38
Rbubarb....R. 44
Rbus....P. 38
Richardia (see Calla Lily)
Rosa....P. 38 and 39
Rubber Plant (see Ficus)
Rudbeckia....P. 30
Rye....S. 46

Sacred Lily....B. 6
Sage (see Salvia)
Salix....P. 39
Salvia....P. 30
Sambucus....P. 39
Sansevieria....P. 34
Saws....47
Saxifraga....P. 34
Scilla....P. 34
Sea Onion (Scilla)....P. 1, 34
Sedum....P. 30
Shears....47
Shrubs, Ornamental....P. 35-39
Snowball (see Viburnum)
Snowberry (see Symphoricarpus)
Snowdrop....1
Solanum....P. 34
Spinach....S. 46
Spiraea....P. 30, 39
Sprinklers....47
Spruce (see Picea)
Statice....P. 30
Strawberry....P. 41
Sumach (see Rbus)
Sweet Briar (see Rosa)
Sweet Peas....21
Sweet Sbrub (see Calycanthus)
Sweet William (Dianthus)....P. 30
Sympboricarpus....P. 39
Syringa (see Philadelpbus and Lilac)

Tamarix....P. 39
Taxus....P. 45
Thalictrum....P. 30
Thermopsis....P. 30
Tbuja....P. 45
Timothy....S. 46
Tomatoes....S. 46
Tradescantia....P. 34
Trees, Fruit....P. 42, 43
Tree of Heaven....P. 41
Trees, Sbade and Ornamental....P. 40, 41
Trillium....P. 30
Tulips....B. 10 to 15
Tulip Borders....B. 3

Vegetable Seeds....46
Verbena....34
Veronica....P. 30
Vetcb....S. 46
Viburnum....P. 39
Vines....P. 42

Walnut....P. 41
Watering Cans....47
Weigelia....P. 39
Wheat....S. 46
Willow (see Salix)
Window Boxes....47
Wistaria....P. 42

Yew (Taxus)....P. 45
Yucca....P. 30

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